

SECTION 4

SERVICE MANUAL

MODEL GX-F71

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL TECHNICAL MANUAL.

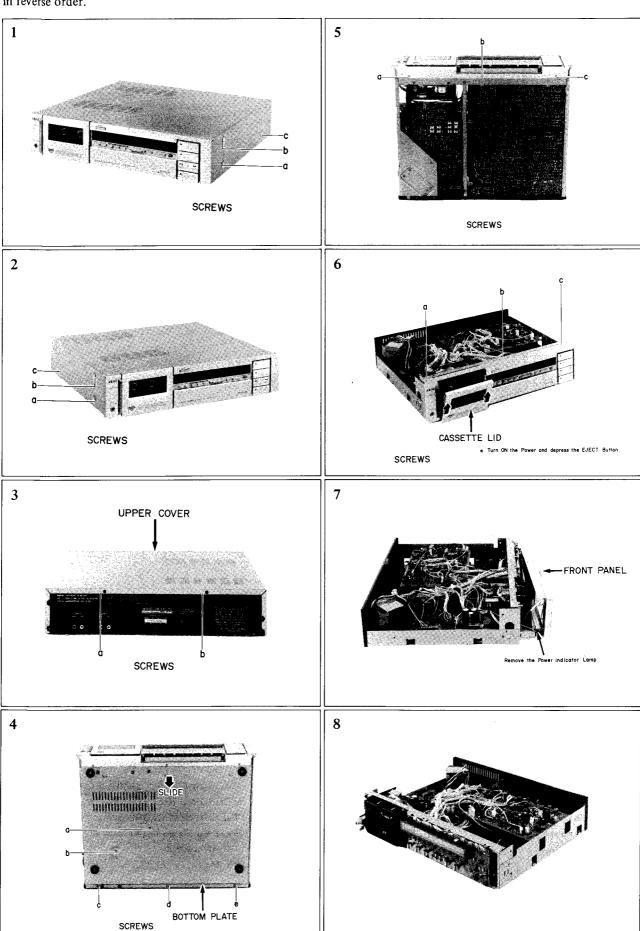
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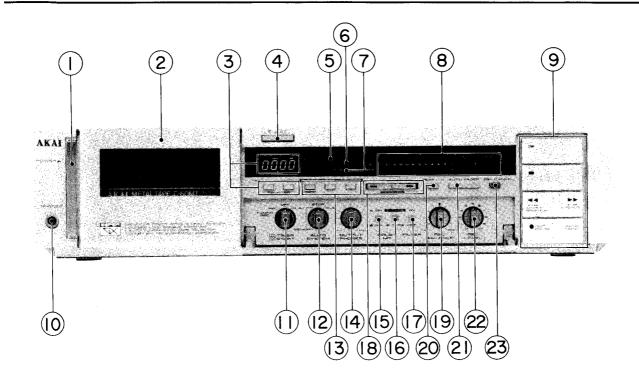
I. SPECIFICATIONS

TRACK SYSTEM	4 Track 2 Channel Stereo System		
TAPE	Philips Type Cassette		
TAPE SPEED	4.76 cm/s ± 1.0% (1-7/8 ips. ±1.0%)		
HEADS	Super GX head for recording x 1 Super GX head for playback x 1 Erase head x 1		
MOTORS	FG servo D.C. motor for direct capstan drive x 1 D.C. motor for reel drive x 1		
WOW & FLUTTER	0.08% WTD (DIN) 0.028% WRMS		
TAPE WINDING TIME	90 sec. using a C-60 cassette tape		
FREQUENCY RESPONSE	Normal: 20 to 17,000 Hz ± 3 dB (-20 VU) CrO ₂ : 20 to 18,000 Hz ± 3 dB (-20 VU) Metal: 20 to 21,000 Hz ± 3 dB (-20 VU)		
FREQUENCY RANGE	Normal: 15 to 18,000 Hz CrO ₂ : 15 to 20,000 Hz Metal: 15 to 21,000 Hz		
SIGNAL TO NOISE RATIO	Metal: Better than 60 dB (measured via tape with peak recording level) Dolby B-type NR switch ON: Improves up to 5 dB at 1 kHz, 10 dB above 5 kHz Dolby C-type NR switch ON: Improves up to 15 dB at 500 Hz, 20 dB at 1 kHz to 10 kHz		
HARMONIC DISTORTION	1 kHz, 3rd harmonic distortion Metal: Less than 0.8%		
INPUT	Line. 70 mV (input impedance: 47 kohms)		
OUTPUT	Line: 410 mV at 0 VU Required load impedance: more than 20 kohms Phone: 1.3 mW/8 ohms at 0 VU		
DIN	Input: 2.0 mV (input impedance: 10 kohms) Output: 410 mV Required load impedance: more than 20 kohms		
POWER REQUIREMENTS	100V, 50/60 Hz for Japan 120V, 60 Hz for USA and Canada 220V, 50 Hz for Europe except UK 240V, 50 Hz for UK and Australia 110V/120V/220V/240V, 50/60 Hz switchable for other countries.		
POWER CONSUMPTION	U Model: 30W C, A, J Model: 28W		
DIMENSIONS	440(W) × 100(H) × 377(D) mm (17.3 × 3.9 × 14.8")		
WEIGHT	7.4 kg (16.3 lbs)		

^{*} For improvement purposes, specifications and design are subject to change without notice. * "Dolby" and the Double D symbol are trademarks of Dolby Laboratories. (Manufactured under license from Dolby Laboratories.)

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.





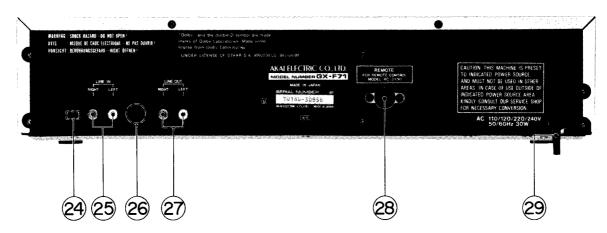


Fig. 1 Controls

- 1. POWER SWITCH
- 2. CASSETTE RECEPTACLE
- 3. FLD TAPE COUNTER, TAPE/TIME SELECTOR and RESET BUTTON
- 4. EJECT BUTTON
- 5. TAPE POSITION INDICATORS
- 6. AUTO TAPE TUNING INDICATORS
- 7. DOLBY B and DOLBY C and FILTER INDICATORS
- 8. FLD BAR METER with MAXIMUM INPUT LEVEL INDICATORS
- 9. OPERATING BUTTONS
 - PLAY (▶) BUTTON with INDICATOR
 - STOP (B) BUTTON
 - REWIND (◀) BUTTON
 - FAST FORWARD (▶) BUTTON
 - RECORDING (REC)/PAUSE BUTTON with INDICATOR AUTO MUTE BUTTON
- 10. HEADPHONE (PHONES) JACK
- 11. TIMER START SELECTOR
- 12. AUTO SYSTEM SELECTOR

- 13. TUNING and REFERENCE (REF) BUTTONS
- 14. OUTPUT/HEADPHONE (PHONES) CONTROL
- 15. DOLBY NR SWITCH
- 16. DOLBY NR SELECTOR
- 17. MPX FILTER SWITCH
- 18. MONITOR SELECTOR
- RECORDING (REC) BALANCE CONTROL (LEFT and RIGHT)
- 20. PEAK/VU SELECTOR
- 21. AUTO FADER BUTTON
- 22. RECORDING (REC) LEVEL CONTROL
- 23. RECORDING (REC) CANCEL BUTTON
- 24. LINE/DIN SELECTOR
 (Some models do not have this facility)
- 25. LINE IN JACKS
- 26. DIN JACK
 - (Some models are not equipped with this facility.)
- 27. LINE OUT JACKS
- 28. REMOTE JACK
- 29. POWER CORD

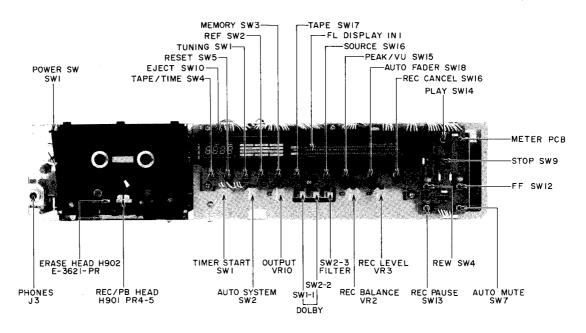


Fig. 2 Front View

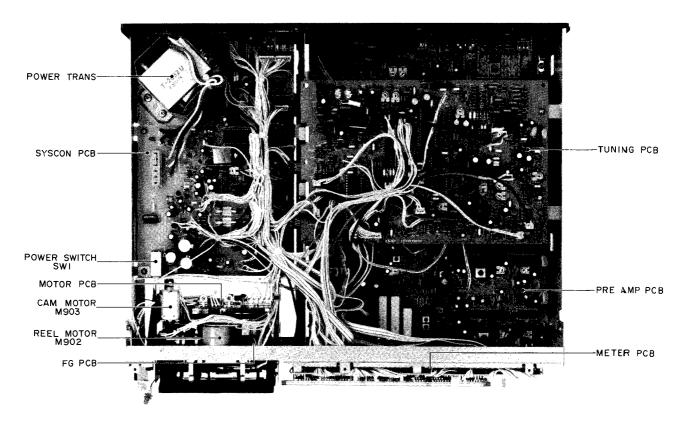


Fig. 3 Top View

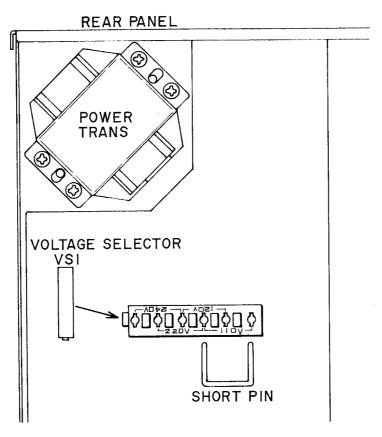


Fig. 4 Voltage Conversion (U Model)

1. VOLTAGE CONVERSION

Models for Canada, Europe, USA, UK, Australia and Japan are not equipped with this facility.

Each machine is preset at the factory according to destination, but some machines can be set to 110V, 120V, 220V or 240V as required.

If voltage change is necessary, this can be accomplished as follows:

- 1) Disconnect power cord.
- 2) Loosen holding screws and remove upper cover.
- 3) Remove short pin plug from present holes and replace in correct holes. Follow the markings explicitly.

2. CYCLE CONVERSION

With DC motor, cycle conversion is not necessary.

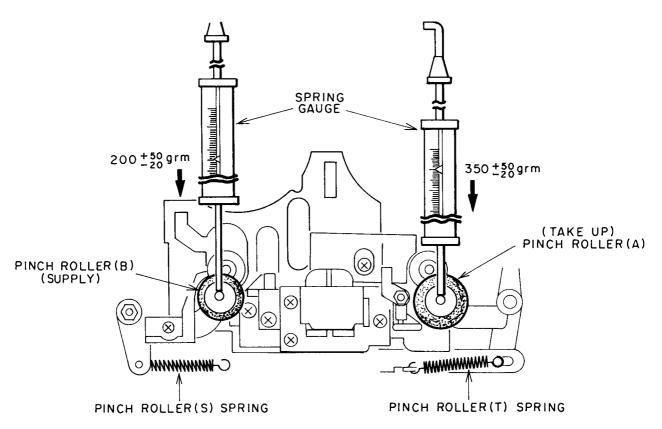


Fig. 5

1. PINCH ROLLER PRESSURE MEASUREMENT (Refer to Fig. 5)

Put in PLAY mode. Push pinch roller arm down with the spring gauge push the pinch roller $1\sim 2$ mm from the capstan and release slowly. Read the spring gauge at the moment the pinch roller touches the capstan and begins to rotate.

Specified pressure: 350^{+50}_{-20} grm (Take up)

 200^{+50}_{-20} grm (Supply)

If there is no measurement obtained, replace the pinch roller spring.

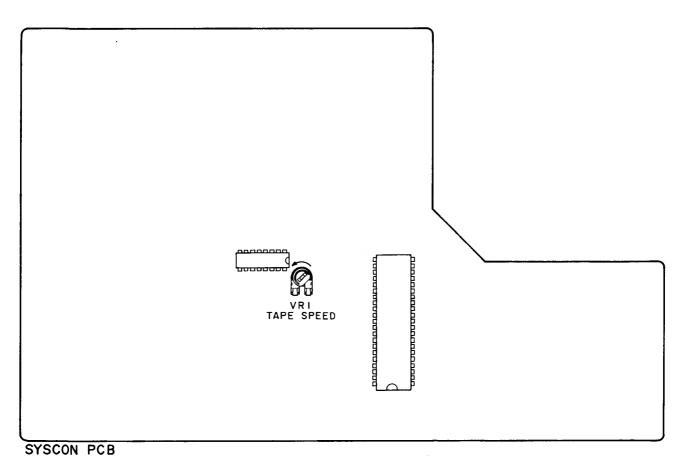


Fig. 6

2. TAPE SPEED ADJUSTMENT

Connect a frequency counter to line output terminals. Playback a 1,000 Hz pre-recorded test (TF-102CS) tape and adjust tape speed adjustment volume (SYSCON PCB VR1) to obtain a tape speed of 995 Hz to 1000 Hz.

3. HOW TO INSTALL VOLUME (VR901) AND CAM WHEEL

Refer to Section 2-V-3 (GX-F31).

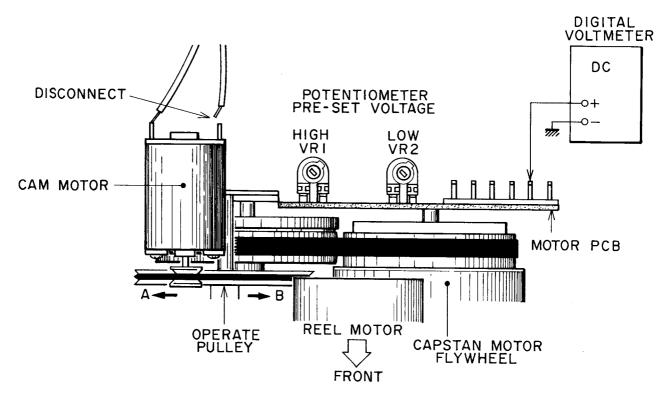


Fig. 7-1

4. POTENTIOMETER PRESET VOLTAGE ADJUSTMENT (Refer to Fig. 4)

1) LOW VOLTAGE ADJUSTMENT

- a. With power OFF, remove the connecting cord of the cam motor and turn the operate pulley fully with your fingers in A direction.
- b. Connect the digital voltmeter as shown in Fig. 7-1.
- c. With power ON, adjust VR2 so that the voltage reading will be 0.78V (DC).

2) HIGH VOLTAGE ADJUSTMENT

- a. With power OFF, turn the operate pulley fully with your fingers in B direction.
- b. With power ON, adjust VR1 so that the voltage reading will be 6.73V (DC).

3) Repeat Items 1) and 2).

- 4) a. With Power OFF, connect the connecting cord of the motor.
 - b. Remove the digital voltmeter.

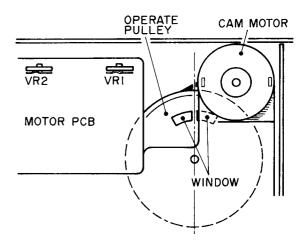
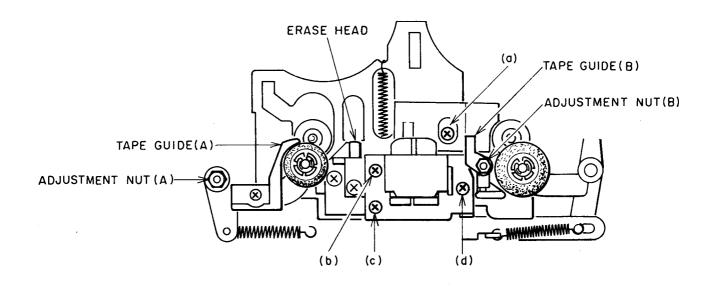


Fig. 7-2 Position of Operate Pulley in STOP Mode

5) a. Set power to ON.

- b. Adjust VR1 slightly so that a center line between windows of the operate pulley will face directly above during STOP Mode. (Fig. 7-2)
- c. Remove the cassette lid and set the AUTO SYSTEM switch to IPLS Mode.
- d. Confirm that the head and pinch roller do not move up and down when the FF and REW switches are alternately depressed.
- e. Turn the reel with fingers in STOP Mode to check that the brake works sufficiently.

 When the brake acts normally, the take-up reel does not turn clockwise while the supply reel does not rotate counterclockwise.



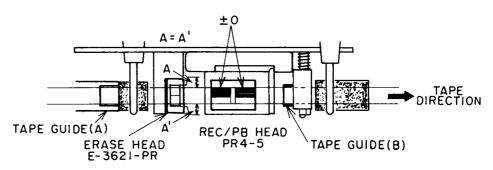


Fig. 8

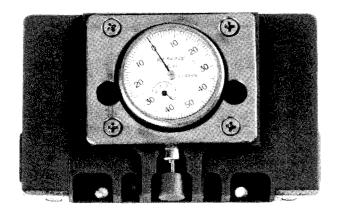


Fig. 9 Cassette Head Projection Gauge (TF-111CJ)



Fig. 10 Mirror Cassette Tape (TF-109CM)

1. REC/PB HEAD PROJECTION

ADJUSTMENT

Set the cassette head projection gauge (TF-111CJ) and set to PLAY mode. Loosen the screw (a) and adjust so that the gauge indication at that time will be 3.2 ± 0.05 mm. After adjustment, apply paintlock on the screw (a).

2. TAPE GUIDE HEIGHT ADJUSTMENT

- 1) Set the mirror cassette tape (TF-109CM) and set to PLAY mode.
- 2. Adjust the tape guide (A) so that the parts of the erase head coming out of both sides of the tape (A and A' in Fig. 8) will be equal. For the adjustment, use the adjustment nut (A).
- 3) Adjust the tape guide (B) so that the tape runs smoothly and is not hitched by the tape guide. For the adjustment, use the adjustment nut (B).
- 4) After adjustment, paint-lock the adjustment nuts (A) and (B).

3. REC/PB HEAD HEIGHT ADJUSTMENT

- 1) Set the mirror cassette tape and set to PLAY mode.
- 2) Adjust the screws (b), (c) and (d) so that the upper edge of REC/PB head Lch core and the upper side of the tape is in alignment.
- 3) Playback the head height adjustment tape (4Tr 1,000 Hz) (TF-103CF), and fine-adjust the screws (b), (c) and (d) so that the largest output is obtained for both channels.

4. REC/PB HEAD AZIMUTH ALIGNMENT ADJUSTMENT

- 1) Playback a 10 kHz Head Azimus Alignment Tape (TF-106CH) and adjust the screw (d) until the output levels of both channels are at maximum.
- 2) Record a 10 kHz, -20VU signal from the audio frequency oscillator.
- Rewind and check for any fluctuation in the output level at playback.
- 4) After adjustment, paintlock the screws (b), (c) and (d).

NOTES:

- Be sure to clean the heads prior to head adjustment.
- 2. Be careful not to use a magnetized driver or other magnetized tools in the vicinity of the heads.
- Be sure to demagnetize the heads with a Head Demagnetizer before and after head adjustment.

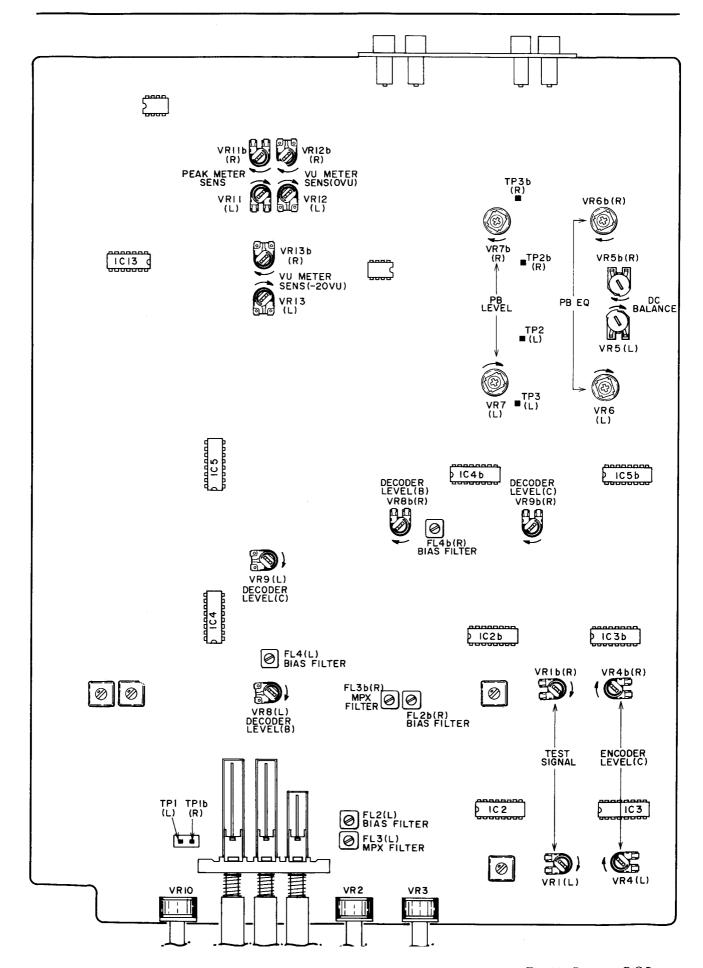


Fig. 11 Pre Amp P.C Board

1. PB EQ AMP ADJUSTMENT (Fig. 11)

1) DC Balance

Adjust VR5 so that the voltage of TP2 will be $0 \pm 0.2V$ DC.

2) PB Level

Play back 333 Hz PB level adjustment tape (TF-101CL) and adjust VR7 so that the LINE OUT level will be -5.5 ± 0.2 dBm.

3) PB EQ

Play back 10 kHz PB EQ adjustment tape (TF-106CH) and adjust VR6 so that the LINE OUT level will -22.5 ± 1.5 dBm.

2. METER ADJUSTMENT (Fig. 11)

- 1) VU Meter
 - a. With the monitor SW to SOURCE and the meter SW to VU, input a signal of 1 kHz through LINE IN.
 - b. Adjust VR12 so that the +1VU goes out when the LINE OUT level is set to -5.2 dBm.
 - c. Adjust VR13 so that the -20VU goes out when the LINE OUT level is set to -27.6 dBm.
 - d. Repeat b.
- 2) Peak Meter
 - a. With the meter SW to PEAK, input a signal of 1 kHz from the LINE IN.
 - b. Adjust VR11 so that the +9 dB goes out when the LINE OUT level is set to +2.8 dBm.

3. DOLBY ENCODER ADJUSTMENT (Fig. 11)

- 1) Dolby C-type level adjustment
 - a. With the monitor SW to SOURCE, input signal of 400 Hz into the LINE INPUT and adjust the input level so that the level of TP1 will be -2.5 ± 0.1 dBm (580 mV) when Dolby is OFF.
 - b. Adjust VR4 so that the level of TP1 will be the same level as a. (-2.5 ± 0.1 dBm) when Dolby C-type is ON.
- 2) MPX Filter Adjustment
 - a. With the monitor SW to SOURCE and MPX filter SW "OFF", input a signal of 19 kHz from LINE IN.
 - b. Adjust FL3 so that the LINE OUT level will be at minimum when MPX filter SW is turned ON.
- 3) BIAS Filter Adjustment
 - a. Set a meter tape and set to REC/PLAY (or REC/PLAY → REC/PAUSE).
 - b. Adjust FL2 so that the LINE OUT level will be at minimum when the input volume is set to MAX and the monitor SW to SOURCE.
 - c. Check in other positions.

4. DOLBY DECODER ADJUSTMENT (Fig. 11)

- 1) Dolby B-type level adjustment
 - a. Set to PLAY mode without inserting a tape.
 - b. Input the signal of 400 Hz into TP3 and adjust the input level so that the LINE OUT level will be -2.5 ± 0.1 dBm (580 mV) when Dolby: OFF.
 - c. Adjust VR8 so that the LINE OUT level will be the same level as b. (-2.5 ± 0.1 dBm), when Dolby B-type: ON.
- 2) Dolby C-type level adjustment
 - a. Carry out 1)-a, b adjustment.
 - b. Adjust VR9 so that the LINE OUT level will be the same level as a. (-2.5 ± 0.1 dBm) when Dolby C-type: ON.
- 3) Bias Filter Adjustment
 - a. Set a metal tape and set to REC/PLAY mode.
 - b. Adjust FL4 so that the LINE OUT level will be at minimum when the monitor SW is set to TAPE.
 - c. Check in other positions.

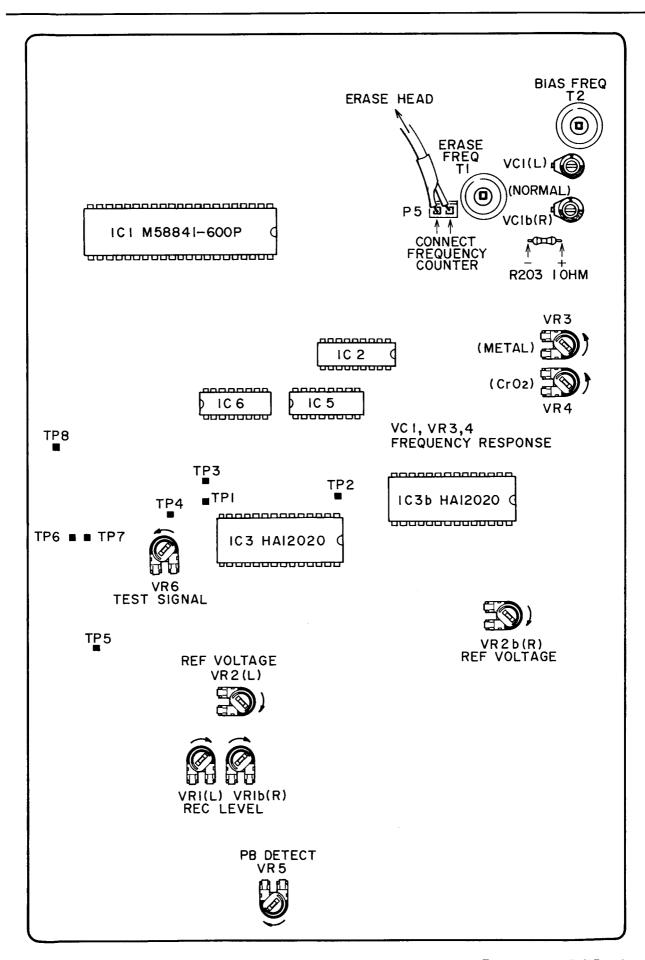


Fig. 12 Tuning P.C Board

5. IC3 (HA12020) REFERENCE VOLTAGE ADJUSTMENT (Fig. 12)

- a. Set the mode to REF. (with power ON, REF is achieved)
- b. Adjust VR2 (L) so that the voltage to GND of TP1 will be $1.10 \pm 0.03 V$ DC.
- c. Adjust VR2b (R) so that the voltage to GND of TP2 will be 4.00 ± 0.05V DC (before SERIAL NUMBER 70401-00101), 5.10 ± 0.05V DC (after SERIAL NUMBER 70401-00101).

6. REC BIAS OSC ADJUSTMENT (Fig. 12)

- a. Set a metal tape and set to REC/PLAY mode.
- b. Set VC1 as shown in Fig. 12.
- c. Connect the frequency counter to P5 (tuning PCB) and adjust T1 so that the frequency will be $100 \pm 0.2 \text{ kHz}$.
- d. Connect a DC voltmeter to both ends of R203 (1 ohm) and adjust T2 so that the voltage will be at minimum.

7. FREQUENCY RESPONSE ADJUSTMENT (Fig. 12)

- a. Record and play back 1 kHz/10 kHz, -25.5 dBm using a normal tape and adjust VC1 so that 1 kHz/10 kHz will be 0 ± 0.5 dBm (provided L-R difference is within 0.5 dBm).
- b. Record and play back 1 kHz/10 kHz, -25.5 dBm using a CrO_2 tape and adjust VR4 so that 1 kHz/10 kHz will be 0 \pm 0.5 dBm.
- c. Record and play back 1 kHz/10 kHz, -25.5 dBm using a metal tape and adjust VR3 so that 1 kHz/10 kHz will be 0 ± 0.5 dBm.

8. RECORDING LEVEL ADJUSTMENT

(Fig. 12)

Record and play back 1 kHz, -5.5 dBm using a normal tape, and adjust VR1 so that the difference between recording and play back levels will be 0 ± 0.3 dBm.

9. TEST SIGNAL ADJUSTMENT (Fig. 12)

- a. In REF mode, with recording volume to MIN. (or input: OFF), connect TP5 and TP8 to GND.
- b. Connecting an AC voltmeter (mV meter) to TP4, adjust VR6 so that the AC voltmeter difference when TP6 and TP7 are connected to GND and when they are not connected, will be within 0.5 dBm.

Reference:

When both TP6 and TP7 are open

TEST SIGNAL: 1 kHz

When TP6 = open, TP7 = GND

TEST SIGNAL: 7 kHz

When both TP6 and TP7 are to GND

TEST SIGNAL: 13 kHz

c. With the monitor SW to SOURCE, adjust VR1 (Fig. 11 Pre Amp PCB) so that the LINE OUT level will be −25.5 ± 0.2 dBm.

10. LEVEL ADJUSTMENT OF PLAYBACK OUTPUT LEVEL DETECTION CIRCUIT

Adjust VR5 so that the voltage to GND of TP3 will be 4.0 ± 0.1 V DC (before SERIAL NUMBER 70401-00101), 5.1 ± 0.1 V DC (after SERIAL NUMBER 70401-00101) under 9-C conditions.

NOTES:

- 1. Using a digital voltmeter for the measurement of DC voltage and an AC voltmeter (mV meter) for AC voltage measurement, the input impedance should be 10M ohm or more.
- 2. Output level control should be at maximum.
- 3. Use the following cassette measuring tapes:

Normal tpae : Maxell UD C-60 CrO₂ tape : TDK SA C-60 Metal tape : TDK MA C-60

IX. DC RESISTANCE OF HEADS

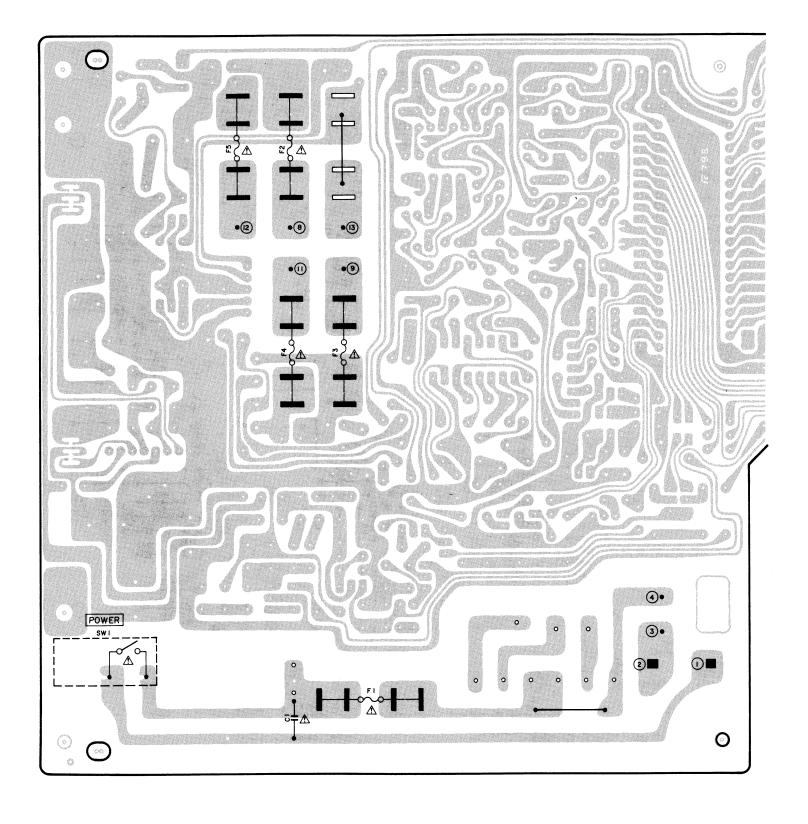
Description	Name	DC Resistance
REC/PB Head	PR4-5	PB: 340 ohms ± 10% REC: 320 ohms ± 10%
Erase Head	E-3621-PR	2.5 ohms ± 15%

X. CLASSIFICATION OF VARIOUS P.C BOARDS

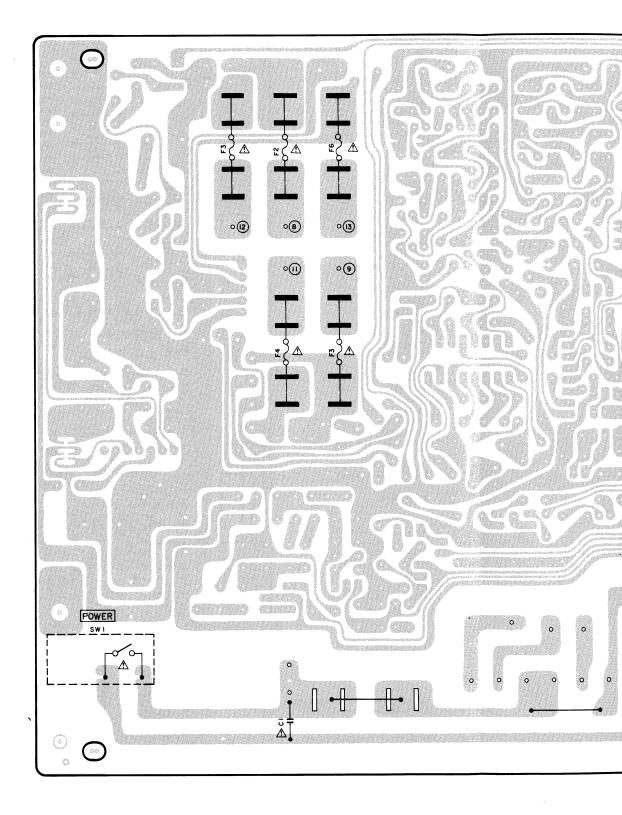
1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

P.C Board Title	P.C Board Number
Pre Amp P.C Board	T2032A501A
Phone Jack P.C Board	T2032A501B
Tuning P.C Board	T2032B5030
Syscon P.C Board	T2032B502A
Switch P.C Board	T2032B502B
TR P.C Board (A)	T2032B502C
TR P.C Board (B)	T2032B502D
Meter P.C Board	T2032B5040
Motor P.C Board	M3103C726A
Potention P.C Board	M3103C726B
FG P.C Board	M3103C7130
Filter P.C Board	T2029D5040
Detector P.C Board	T2029D5030
Micro SW P.C Board	T2029D5020

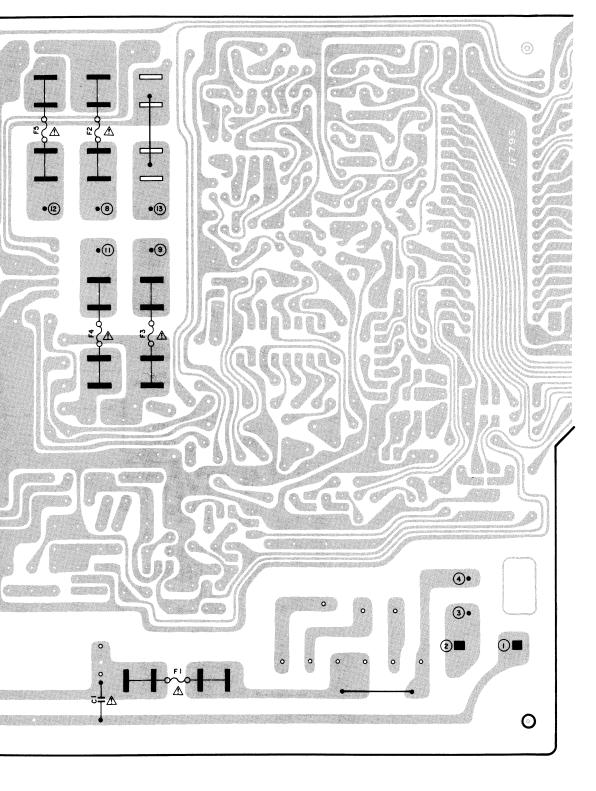
B,S MODEL



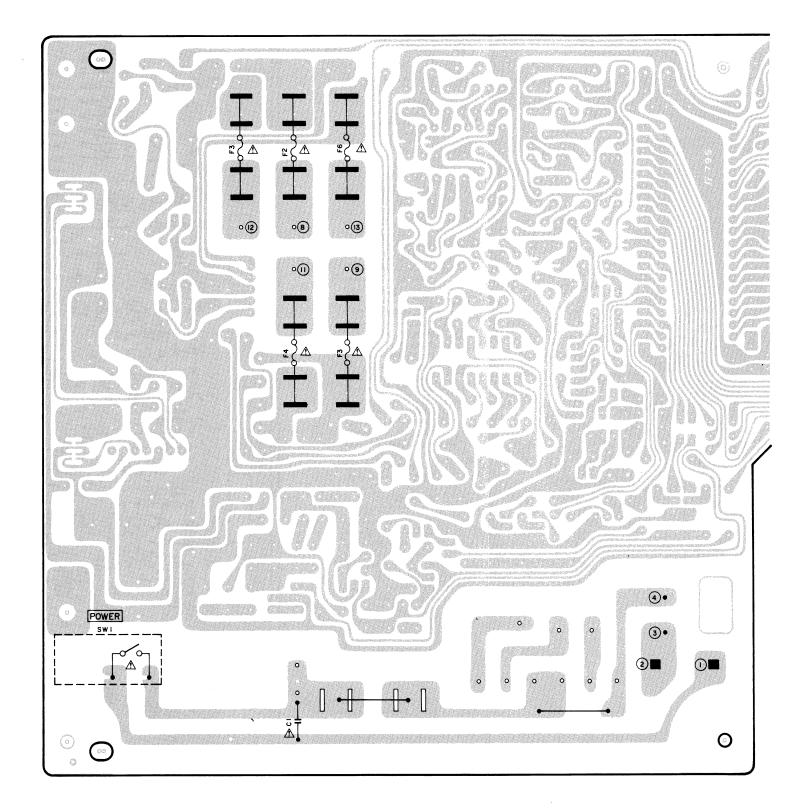
J,C,A,E,V MODEL



B,S MODEL



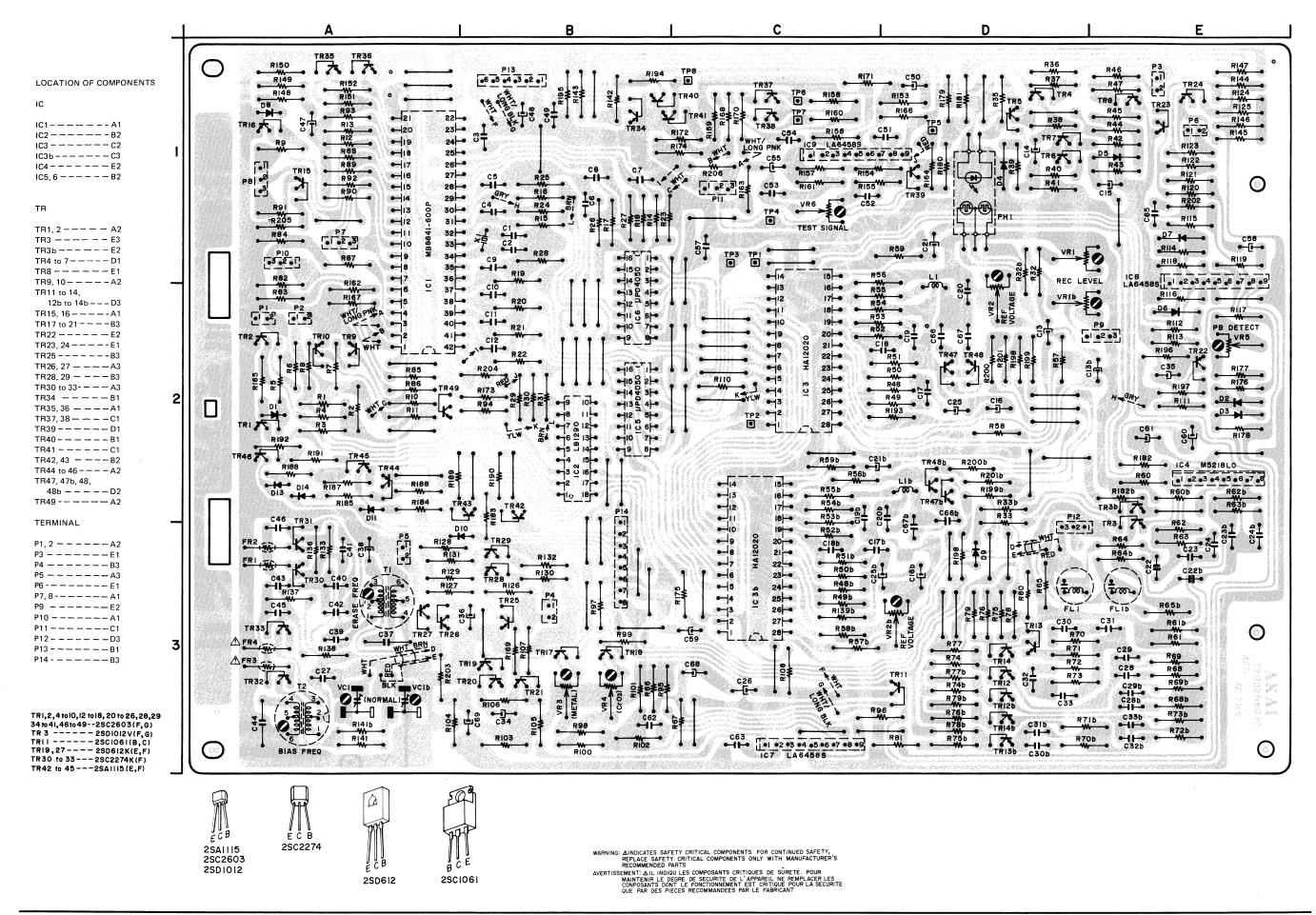
J,C,A,E,V MODEL



WARNING: &INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

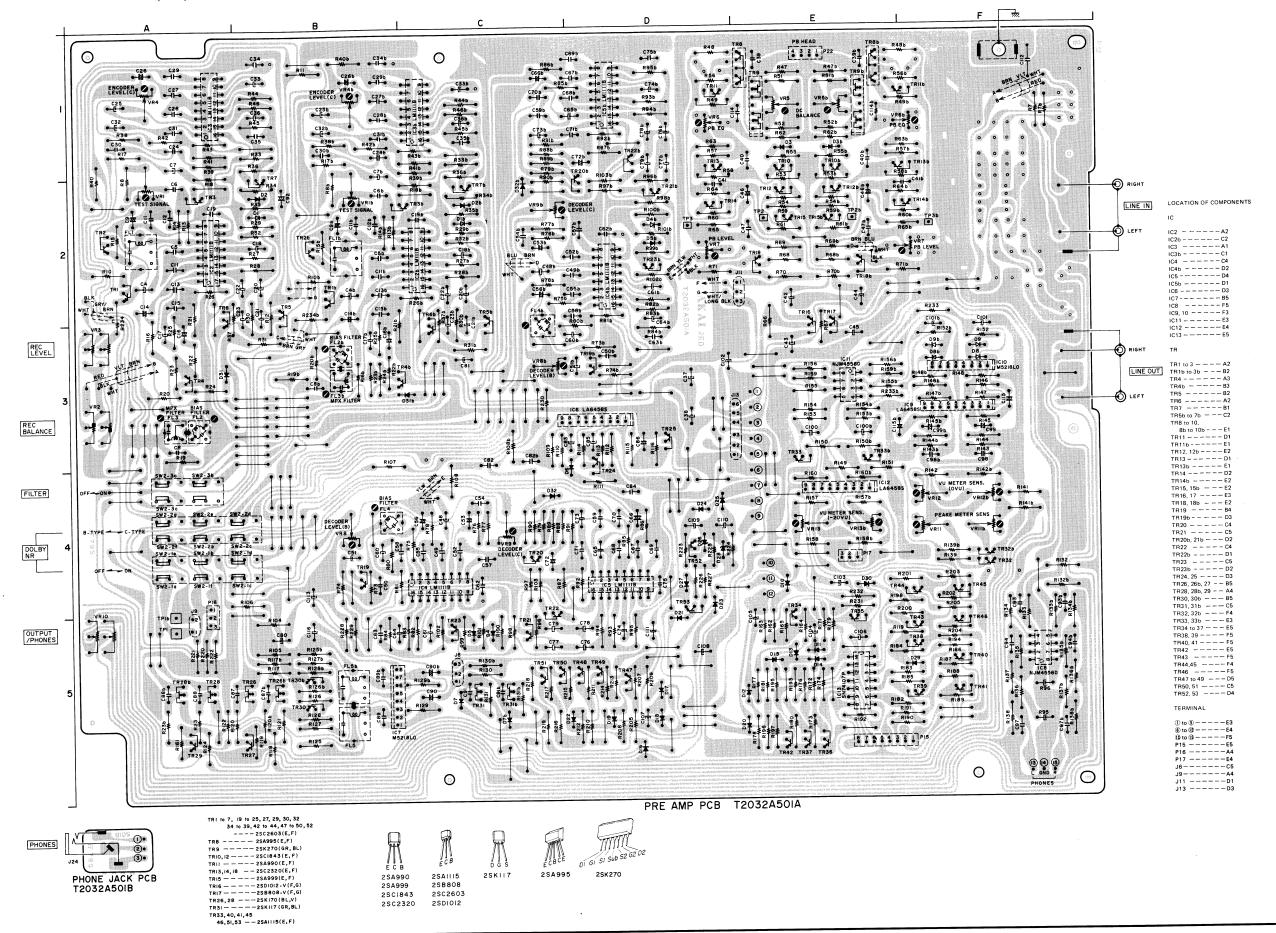
AVERTISSEMENT: &IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITI QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

3) TUNING P.C BOARD T2032B5030 (2ED)

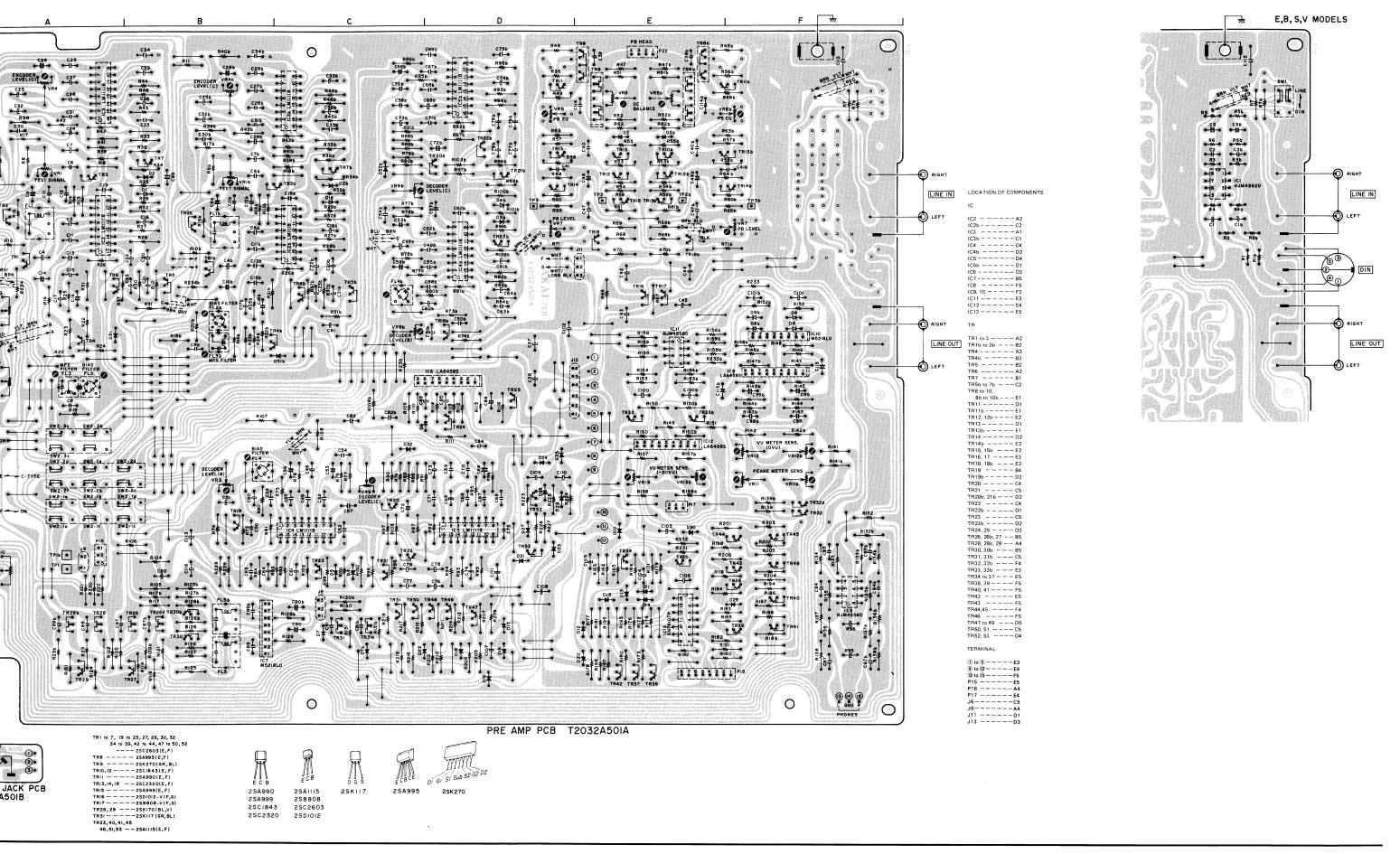


2. COMPOSITION OF VARIOUS P.C BOARDS

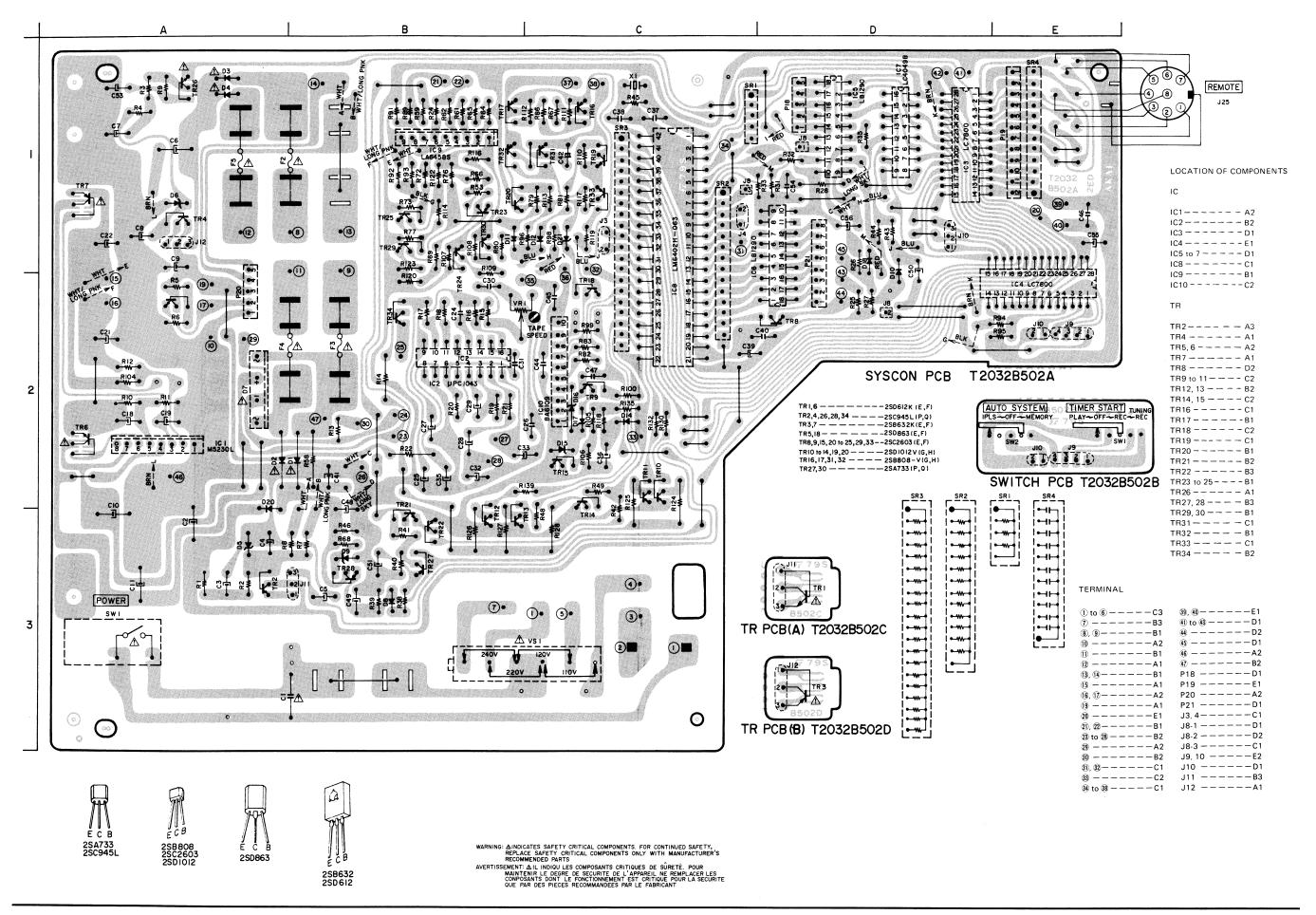
1) PRE AMP P.C BOARD T2032A501(2ED) and PHONE JACK P.C BOARD T2032A501B



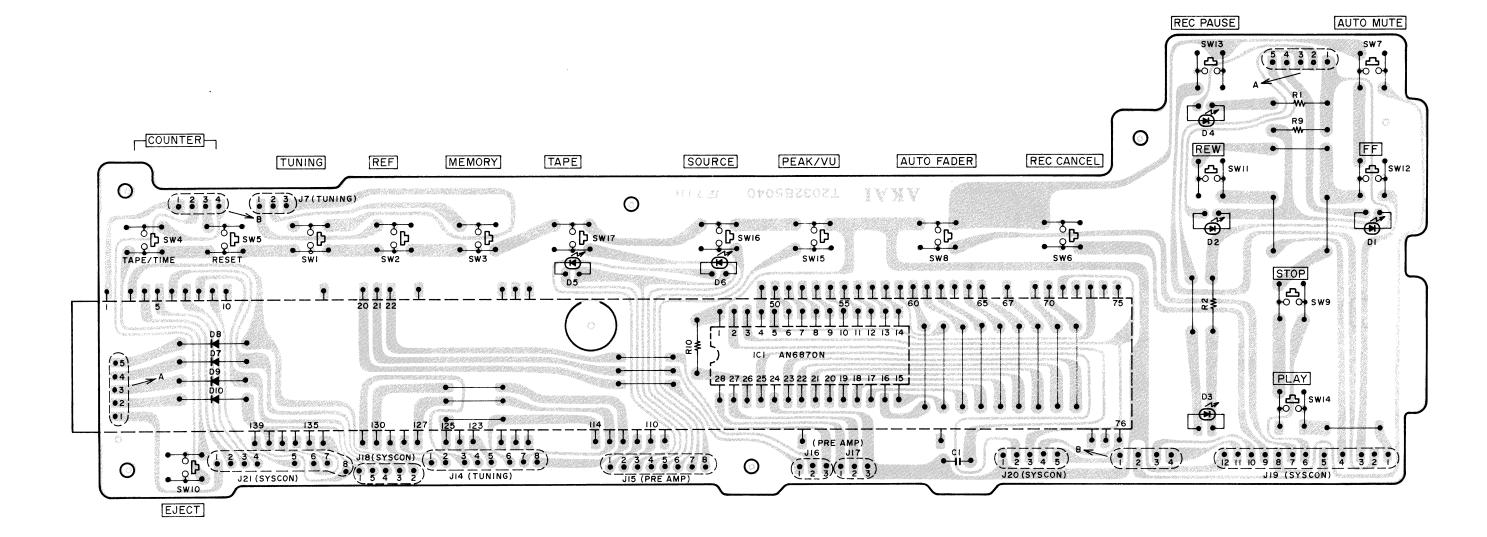
RIOUS P.C BOARDS [2032A501(2ED) and PHONE JACK P.C BOARD T2032A501B



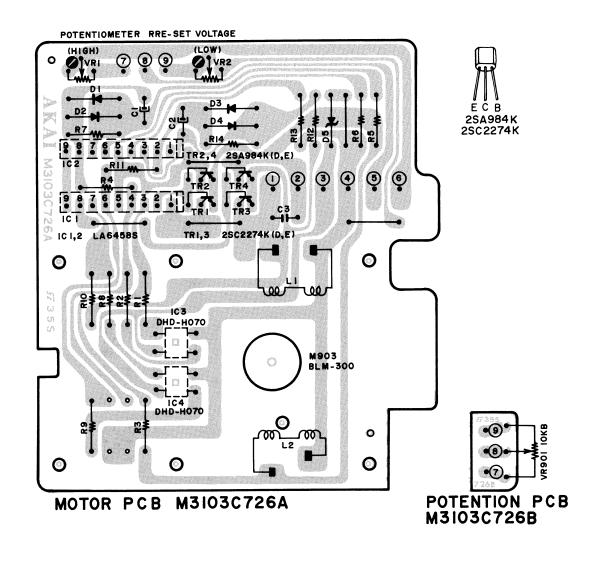
2) SYSCON P.C BOARD T2032B502A (2ED), SWITCH P.C BOARD T2032B502B, TR P.C BOARD (A) T2032B502C and TR P.C BOARD (B) T2032B502D



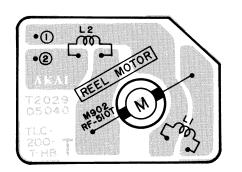
4) METER P.C BOARD T2032B5040



5) MOTOR P.C BOARD M3103C726A and POTENTION P.C BOARD M3103C726B



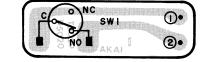
7) FILTER P.C BOARD T2029D5040



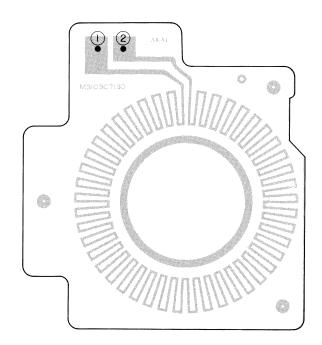
8) DETECTOR P.C BOARD T2029D5030



9) MICRO SW P.C BOARD T2029D5020



6) FG P.C BOARD M3103C7130



SECTION 5

PARTS LIST

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	. MOTOR BLOCK 5	-26
	. PRE AMP P.C BOARD BLOCK 5	in the sales
	. SYS. CON. P.C BOARD BLOCK	NE SHOW
	. TUNING P.C BOARD BLOCK	market and
	. METER P.C BOARD BLOCK 5	-30
	. MOTOR P.C BOARD BLOCK 5	100
	. ASSEMBLY BLOCK 5	at Little
	. FINAL ASSEMBLY BLOCK 5	-32
INDE.		
	. MODEL GX-F31	-3 3
	. MODEL GX-F51	-34
	. MODEL GX-F71	-35
	and Capacitor which is not listed in this parts list please refer to COMMON LIST R	

Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

ATTENTION

- 1. When placing an order for parts, be sure to list the parts no. model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
- 2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
- 3. Because parts number and parts unit supply in the Preliminary Parts List may be partially changed, please use this parts list for all future reference.

HOW TO USE THIS PARTS LIST

- 1. This Parts List shows the parts that are considered necessary for repairs. Other parts, such as resistors and capacitors, are shown in the "Common List for Service Parts". Select and order such parts from the "Common List for Service Parts".
- 2. The Recommended Spare Parts shows those parts in the Parts List which are considered particularly important for service
- 3. Parts not shown in the Parts List and "Common List for Service Parts" will not be supplied in principle.
- 4. How to read list
 - a) Mechanism Block

b) P.C Board Block

2. HEAD BASE BLOCK

6. SYS. CON. P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
NO. 2-1x 2-2 2-3 2-4 2-5	BH-T2023A320A HP-H2206A010A ZS-477876 ZS-536488 ZG-402895 SP (Serv.) A small show th Illustrat This numerical individual figure	HEAD BASE BLOCK GX-F66R HEAD R/P PR4-8FU C PAN20×03STL CMT BID20×08STL CMT CS ANGLE ADJUST SPRING vice Parts) Classification "x" indicates the inability to at particular part in the Photo or ion. mber corresponds with the ral parts index number in that	NO. 6-1 6-IC1 6-IC2 6-IC3 6-IC4 6-TR1to4 6-TR5to28 6-D1 6-D2to4 6-D5to10 6-X1	BA-T2034A070A EI-324536 EI-336801 EI-331661 EI-336725 ET-200985 ET-554657 ED-318292 ED-308952 ED-318292 EI-318384 SP (Servi	PC SYS CON BLK GX-F44R IC HD14049BP IC MB8841-564M IC SN7405N IC M54527P TR 2SC2603 F,G TR 2SA733A P,Q D SILICON H 152473T-77 T26 D GERMA V 1K34A-LR F07 D SILICON H 152473T-77 T26 OSC X'TAL NC-18C 3.579545MHZ IC Parts) Classification Tence numbers corresponds
L	This number corresponds with the Figure Number			with symbol numbers of Schematic Diagrams.	

5. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List. It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index.

WARNING

△ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT

⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

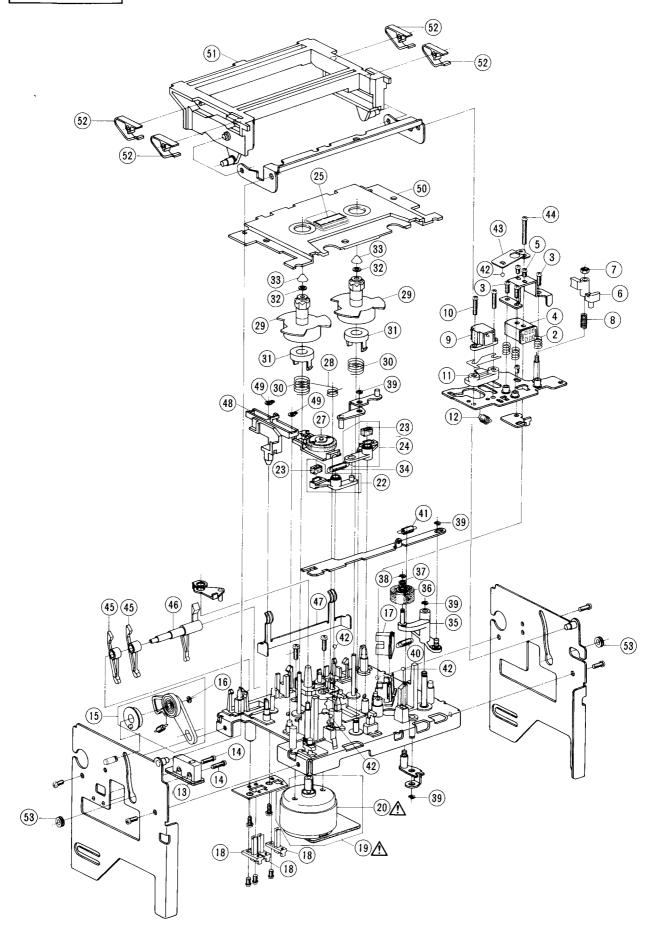
I. MODEL GX-F31

RECOMMENDED SPARE PARTS

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

NO.	PARTS NO.	DESCRIPTION	NO.	PARTS NO.	DESCRIPTION
1	BF-B336013	FLYWHEEL PART	64	EO-337044	COIL FIX 2 102AK-005 36MH
2		HEAD BLK GX-F31	65	EO-337046	COIL OSC 1 0365-028 100KHZ
3	BL-B336150	ARM PINCH ROLLER (A) PART	66	EO-315758	COIL TUN 1 100S-431 100KHZ
4		△ MOTOR BLM-300	67	EO-337055	COIL VARI 1 FE002S 10MH
5	BM-B337064	△ MOTOR OPERATION (PULLEY)	68	EP-322437	RELAY LEAD LAB2NS 2NO 5V
		PART	69	ER-337287	△ R FUSE ERD2FC 1/4W 20R0G
6	BM-B336989		70	ER-307565	△ R FUSE ERD2FC 1/4W 6R8J
7	BM-T2030A120A	⚠ REEL MOTOR BLK GX-F51	71	ER-336775	FILTER DB D07001K 19KHZ
8	BR-336606	REEL TABLE ASSY	72	ER-336776	FILTER DB D07003K 100KHZ
9	BT-337246	△ TRANS POWER T-2030(A,C)	73	ER-337376	R COMP 01-0399
10	BT-337248	△ TRANS POWER T-2030(B,S)	74	ER-337374	R COMP 01-0400
		* * *	75	ER-337631	
11	BT-337247	△ TRANS POWER T-2030(E,V)			R COMP 01-0449
12	BT-337245	△ TRANS POWER T-2030(J)	76	ES-312234	⚠ SW PUSH SDL-1P 01-1 E
13	BT-337244	⚠ TRANS POWER T-2030(U)			(U,E,B,S,V)
14	BZ-T2030A110A	OIL CLUTCH BLK GX-F51	77	ES-312235	△ SW PUSH SDL-1P 01-1 J (J)
15	EC-338341	C COMP 05-0034	78	ES-312238	△ SW PUSH SDL-1P 01-1 UC (C,A)
16	EC-337017	OSC CE CSB800A 0.8MHZ	79	ES-336990	SW LEAF BSW-169 01-1 NO
17	ED-322982	D GERMA V 1S188FM-1-LR F07	80	ES-337344	SW MICRO SS-01-ED UC
18	ED-337016	D LED SG203DA GRN	81	ES-337045	SW PUSH SUN312A 3-THROW
19	ED-337010	D LED SLF-201C GRN	82	ES-337043	SW ROTARY SRU1023 1-02-03N
20					
	ED-337014	D LED SR503D RED	83	ES-336780	SW TACT KHH10902
21	ED-301911	D SILICON H DS448	84	ET-311977	PHOTO SENSOR SPI-201
22	ED-200469	D SILICON H DS448 FA5 F10	85	ET-321016	TR FET 2SK117 GR,BL
23	ED-316143	D SILICON H 1S2473HS F10	86	ET-200558	TR 2SA1115 E,F
24	ED-200468	D SILICON V DS448-VB6	87	ET-554657	TR 2SA733A P,Q
25	ED-306109	D SILIOCN W03B 100/1.0A	88	ET-337012	TR 2SA984K D,E
26	ED-322238	D SILICON 1B4B41 100/1.0A	89	ET-322598	TR 2SB632K E,F
27	ED-338561	D ZENER H HZ2 F10 B2	90	ET-328438	TR 2SB808-V F,G
28	ED-338403	D ZENER V HZ11B-1S1			
29			91	ET-308976	TR 2SC1815 BL,GR
	ED-338413	D ZENER V HZ24-2S1	92	ET-331279	TR 2SC1843 P,F SNP
30	ED-338412	D ZENER V HZ27-3S1	93	ET-309353	TR 2SC2274 E,F
31	ED-337289	D ZENER V HZ5A-1S1	94	ET-337011	TR 2SC2274K D,E
32	ED-337019	D ZENER V HZ6A-1S1	95	ET-310833	TR 2SC2274K E
33	EF-300588	▲ FUSE EAWK T 250V 0.20A	96	ET-200505	TR 2SC2603 E,F
		(E,B,S,V) (F6)	97	ET-328437	TR 2SD1012-V F,G
34	EF-330462	⚠ FUSE GGS A 250V 0.20A	98	ET-328868	TR 2SD1012-V G,H
		(C,A) (F6)	99	ET-452531	TR 2SD313 E,F
35	EF-593706	△ FUSE SEMKO T 250V 0.50A	100	ET-310148	TR 2SD612K E,F
33	E1-373700				
2.0	EE 60.250 ((E,B,S,V) (F3)	101	ET-318239	TR 2SD863 E,F
36	EF-593706	△ FUSE SEMKO T 250V 0.50A	102	EV-315416	R S-FIX H D8 3P 103
		(E,B,S,V) (F2)	103	EV-315414	R S-FIX H D8 3P 203
37	EF-602550	△ FUSE SEMKO T 250V 1.25A	104	EV-315412	R S-FIX H D8 3P 502
		(E,B,S,V) (F4,5)	105	EV-315413	R S-FIX H D8 3P 503
38	EF-623103	△ FUSE SEMKO T 250V 1A(B)(F1)	106	EV-336785	R S-FIX H TM8KV2-1S 3P 0.50W 104
39	EF-327103	△ FUSE TSC A 250V 0.50A(U,J)(F2)	107	EV-464220	R S-FIX H V8K4-1 3P 503
40	EF-327103	△ FUSE TSC A 250V 0.50A(U,J)(F3)	108	EV-464253	R S-FIX V V8K1-1 3P 202
41	EF-306949	△ FUSE TSC A 250V 1.25A	109	EV-337052	VR ROTARY 16L10×OR B103
	21 3007.7	(U,J) (F4,5)	110	EV-337032	VR ROTARY 16P20×20 A204
42	EE 200200	△ FUSE TSC 125V 0.50A (C,A)(F3)			
42	EF-309390		111	EV-337029	VR ROTARY 16P20×2P M204 N204
43	EF-309390	△ FUSE TSC 125V 0.50A (C,A)(F2)	112	EV-337030	VR ROTARY 16P20×2Q B103
44	EF-309392	△ FUSE TSC 125V 1.25A (C,A)(F4,5)	113	HE-337047	HEAD E HJ213270 C
45	EI-337568	HOLE ELEMENT DHD-H070	114	HP-H2201A010A	HEAD R/P PR4-7 C
46	EI-330352	IC BA6109	115	MB-336021	BELT OPERATION
47	EI-315799	IC HA12019	116	MP-336153	PINCH ROLLER (A)
48	EI-336983	IC HA12038	117	TC-336002	HOLDER CAPSTAN (B)
49	EI-336761	IC LA6458S	118	TC-336004B	HOLDER CAPSTAN (C-2)
50	EI-337013	IC LB1290	119	TC-336605	• •
51	EI-337019	IC LC4049	119	10-330003	WIND IDLER ASSY
52	EI-337008	IC LC7800			
53	EI-337006	IC LM6402H-063			
54	EI-337228	IC M5218L0			
55	EI-336994	IC M5230L			
56	EI-201940	IC NJM4558S			
57	EI-200938	IC TA7558S			
58	EI-336992	IC μPC1043			
59	EI-338392	IC μPC1224H			
60	EJ-283140	△ SOCKET SELECTER X-17238			
~ •	LUUXTU	6P (U)			
61	EI 227454	DIN J UC-0044 P 8P			
	EJ-337654				
62	EL-337053	PL CORD 16.0V 80MA 400/400			
63	EM-336988	IND FL FIP48BW11Y DOUBLE			

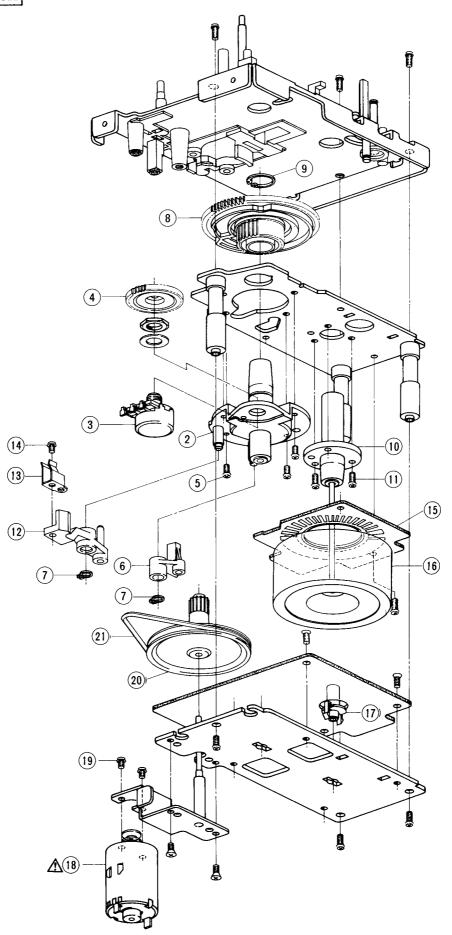
MECHA BLOCK



1. MECHA BLOCK

```
PARTS NO.
                        DESCRIPTION
        HEAD BLOCK
1-1 x
      BH-T2029A070A HEAD BLK GX-F31
1-2
        ZG-336127
                     SP PUSH HEAD
1-3
        ZS-608106
                      PAN20×06STL CMT
1-4
      HP-H2201A010A HEAD R/P PR4-7 C
1-5
        ZS-477876
                      PAN20×03STL CMT
                     GUIDE TAPE
1-6
        HZ-336129
1-7
        ZW-618884
                     N20STL CMT 1
1-8
        ZG-336130
                      SP PUSH GUIDE
1-9
        HE-337047
                      HEAD E HJ213270 C
1-10
        ZS-465298
                      PAN23×10STL CMT
1-11
        HZ-336131
                      HOLDER E HEAD
1-12
        ZG-341972
                      SP PULL HEAD RETURN
        SW MICRO P.C BOARD BLOCK
                     SW MICRO SS-01-ED UC (SW1)
1 - 1.3
        ES-337344
        CHASSIS MECHA SIDE (L) BLOCK
1-14
        ZS-310337
                     PAN20×08STL CMT
      BZ-T2030A110A OIL CLUTCH BLK GX-F51
1-15
1-16
        ZW-270088
                      RING E 190SUP CMT
        DETECTION P.C BOARD BLOCK
1-17
        ET-311977
                     PHOTO SENSOR SPI-201 (PH1)
        SW LEAF BLOCK
1-18
        ES-336990
                     △ SW LEAF BSW-169 01-1 NO
                                     (SW902,903,904)
        REEL MOTOR BLOCK
      BM-T2030A120A \triangle REEL MOTOR BLK GX-F51
1-19
1-20
        BM-B336989
                      △ REEL MOTOR (PULLEY) PART
1-21x
        EO-669273
                      COIL FIX 2 FL5R200 18µH (L1,2)
        LEVER BRAKE (A) BLOCK
      BL-T2030A160A LEVER BRAKE (A) BLK GX-F51
1-22
1-23
        TC-336146
                      BRAKE RUBBER
        LEVER BRAKE (B) BLOCK
1-24
      BL-T2030A170A LEVER BRAKE (B) BLK GX-F51
        D LED BLOCK
1-25
                      D LED SLF-201C GRN (D901)
        ED-337010
        MECHA BLOCK
1-26x BZ-T2029A080A MECHA BLK GX-F31
1-27
        TC-336605
                      WIND IDLER ASSY
                      SP TORSION IDLER
1-28
        ZG-336140
                      REEL TABLE ASSY
1-29
        BR-336606
1-30
                      SP PUSH BT
        ZG-336141
1-31
        TC-336142
                      HOLDER BT SP
1-32
                      PW21×040×020
        ZW-330073
1-33
        MT-305793
                      REEL CAP
                      SP T1-3.2/0.29-16.0 T1-062
1-34
        ZG-312946
1-35
        BL-B336150
                      ARM PINCH ROLLER (A) PART
1-36
        MP-336153
                      PINCH ROLLER (A)
1-37
                      PW21x040x013PSL
        ZW-381644
1-38
        ZW-356657
                      RING E 150SUP CMT
        ZW-270088
                      RING E 190SUP CMT
1-39
1 - 40
        ZG-342575
                      SP PULL PINCH ROLLER (T-2)
1-41
        ZG-321534
                      SP T2-3.2/0.29-12.5 T2-060
                      BALL200STL
1-42
        MV-357208
1-43
        ZG-336157
                      SP PLATE HEAD HOLD
1-44
                      ST PAN26x16STL CMT
        ZS-342002
1-45
        ML-336158
                      LEVER DETECTION (B)
1-46
        ML-336159
                      LEVER DETECTION (A)
1-47
                      SP PLATE CASSETTE HOLDER (A)
        ZG-336160
1-48
                      SLIDE EJECT
        TC-336161
1-49
                      RING GRIP 285SUP ACP
        ZW-336603
1 - 50
        BD-B336162B
                      LID DECORATION (B) PART
1-51
        SP-336163
                      LID CASE
1-52
        ZG-336615
                      SP PLATE CASSETTE HOLDER (B)
1-53
        SZ-336166
                      COLLAR LID
```

MOTOR BLOCK



2. MOTOR BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
2-1 x	BM-M3103A010A	MOTOR BLM-300
2-2	TC-336004B ,	HOLDER CAPSTAN (C-2)
2-3	EV-337052	VR ROTARY 16L10×OR B103
2-4	MZ-336005	GEAR POTENTION
2-5	ZS-432843	PAN26×04STL CMT
2-6	BL-B336007	LEVER BRAKE CAM PART
2-7	ZW-336603	RING GRIP 285SUP ACP
2-8	MZ-336006	CAM WHEEL
2-9	ZW-336604	RING S839SUP ACP
2-10	TC-336002	HOLDER CAPSTAN (B)
2-1 i	ZS-479474	PAN26×05STL CMT
2-12	BL-B336009	LEVER EJECT CAM PART
2-13	ZG-336011	SP PLATE CAM LEVER
2-14	ZS-477876	PAN20×03STL CMT
2-15	EA-336012	PC FG
2-16	BF-B336013	FLYWHEEL PART
2-17	TC-336016	HOLDER THRUST (A)
2-18	BM-B337064	MOTOR OPERATION (PULLEY)
		PART
2-19	ZS-477876	PAN20×03STL CMT
2-20	MR-336019	PULLEY OPERATE
2-21	MB-336021	BELT OPERATION

3. PRE AMP P.C BOARD BLOCK

REF.		PARTS NO.	DESCRIPTION
3-1	BA-	T2029A030A	PC PRE AMP BLK GX-F31(U)
3-2	BA-	T2029A030B	(U,J,C,A) PC PRE AMP BLK GX-F31(E)
3-3	BA-	T2029A030C	(E,B,S,V) PC PRE AMP BLK GX-F31-P(U)
3-4	BA-	T2029A030D	(U,J,C,A) PC PRE AMP BLK GX-F31-P(E) (E,B,S,V)
		PRE AMP P.C	ROARD
3-IC1		EI-200938	IC TA75558S
3-IC2		EI-336983	IC HA12038
3-IC3		EI-337228	IC M5218L0
3-IC4		EI-336761	IC LA6458S
3-IC6 3-IC7		EI-338392 EI-336761	IC μPC1224H IC LA6458S
3-IC8		EI-336761	IC LA6458S
3-TR2		ET-200505	TR 2SC2603 E,F
3-TR4		ET-200505	TR 2SC2603 E,F
3-TR6		ET-200505	TR 2SC2603 E,F
3-TR7,8		ET-200558	TR 2SA1115 E,F
3-TR9to 3-TR17		ET-200505 ET-328868	TR 2SC2603 E,F TR 2SD1012-V G,H
3-TR18		ET-320000	TR 2SC1843 P,F SNP
		ET-328868	TR 2SD1012-V G,H
3-TR22	to27	ET-200505	TR 2SC2603 E,F
3-TR28		ET-322598	TR 2SB632K E,F
3-TR29 3-TR30		ET-308976 ET-200505	TR 2SC1815 BL,GR TR 2SC2603 E,F
3-TR30		ET-310833	TR 2SC2503 E,F TR 2SC2274K E
3-TR33		ET-309353	TR 2SC2274 E,F
3-TR34		ET-200505	TR 2SC2603 E,F
3-TR36		ET-321016	TR FET 2SK117 GR,BL
3-TR37		ET-200505	TR 2SC2603 E,F
3-TR38 3-TR39		ET-328437 ET-328438	TR 2SD1012-V F,G TR 2SB808-V F,G
3-TR40		ET-200505	TR 2SC2603 E,F
3-D2		ED-337292	D ZENER H HZ5 B1
3-D3		ED-322982	D GERMA V 1S188FM-1-LR F07
3-D4		ED-301911	D SILICON H DS448
3-D6to1	1	ED-301911 ED-301911	D SILICON H DS448 D SILICON H DS448
3-D13		ED-200468	D SILICON V DS448-VB6
3-D16to	21	ED-301911	D SILICON H DS448
3-D22		ED-338413	D ZENER V HZ24-2S1
3-D23		ED-301911	D SILICON H DS448
3-J1 3-J1		EJ-337027 EJ-337024	PHONE J THROW HLJ4353-210 2×3P PHONE J THROW HLJ4353-010
			2×3P (P)
3-J2 3-J2		EJ-332435 EJ-332437	PIN J P 4P (U,J,C,A) JACK PLATE (E,B,S,V)
3-SW1		ES-337045	SW PUSH SUN312A 3-THROW
3-VR1		EV-337029	VR ROTARY 16P20×2P M204 N204
3-VR2		EV-337028	VR ROTARY 16P20×20 A204
3-VR3		EV-337030	VR ROTARY 16P20×2Q B103 R S-FIX H D8 3P 203
3-VR4 3-VR5		EV-315414 EV-315413	R S-FIX H D8 3F 203
3-VR6		EV-315416	R S-FIX H.D8 3P 103
3-VR8		EV-315416	R S-FIX H D8 3P 103
3-V R 9		EV-315412	R S-FIX H D8 3P 502
3-VR10		EV-315416	R S-FIX H D8 3P 103
3-VR11	,12	EV-336785	R S-FIX H TM8KV2-1S 3P 0.50W 104
3-L 1		EO-669273	COIL FIX 2 FL5R200 18µH
3-T1 3-FL1		EO-337046 EO-337044	COIL OSC 1 0365-028 100KHZ COIL FIX 2 102AK-005 36MH
3-FL1		EO-337055	COIL VARI 1 FE002S 10MH
3-FL3		ER-336776	FILTER DB D07003K 100KHZ
3-FL4		ER-336775	FILTER DB D07001K 19KHZ
3-FL5,6	•	EO-315758	COIL TUN 1 100S-431 100KHZ
3-RL1 3-FR1,2	,	EP-322437 ER-307565	RELAY LEAD LAB2NS 2NO 5V A R FUSE ERD2FC 1/4W 6R8J
J I I 1,4	-	LIX-30/303	E RIOSE ERDZIC 1/4W OROS

REF. NO.	PARTS NO.	DESCRIPTION
3-C4	EC-313532	C EC V F05 NP 04D 1R0M
		50.0DC
3-C63	EC-331631	C STY V SNP CQFS 821J 50DC
3-C65	EC-338042	C EC V F05 NP NXA 2R2M 50DC
3-C75	EC-314992	C STY V F05 CQF09 681J 50DC
3-C77	EC-315335	C EC V F05 NP 04D 4R7M 25DC
3-C81	EC-308877	C EC V F05 NP 04D 3R3M 25DC
3-C92	EC-337005	C PP V F10 ECQ-F 152J 630DC
3-C93,94	EC-270483	C MC V FM 101J 500DC
3-C98	EC-306017	C STY V F05 CQ09S 221J 50DC
	DUONE LACK	P.C. P.C. A. P.D.
	PHONE JACK	P.C BOARD
3-J 3	EJ-336885	PHONE J 3P HLJ0607-023 6.3
3-J 3	EJ-336886	PHONE J 3P HLJ0607-020 6.3 (P)

4. SYS. CON. P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
4-1	BA-T2029A040A	PC SYS CON BLK GX-F31(U)
4-2	BA-T2029A040B	PC SYS CON BLK GX-F31(J)
4-3	BA-T2029A040C	PC SYS CON BLK GX-F31(C)
4-4	BA-T2029A040D	PC SYS CON BLK GX-F31(C)
4-5	BA-T2029A040E	(E,S,V) PC SYS CON BLK GX-F31(B)
	CVC CON D	C BOARD BLOCK
4-IC1	EI-337006	IC LM6402H-063
4-IC2,3	EI-337013	IC LB1290
4-IC4,5	EI-337008	IC LC7800
4-IC6	EI-337009	IC LC4049
4-IC7	EI-336761	IC LA6458S
4-IC8	EI-330352	IC BA6109
4-IC9	EI-336992	IC μPC1043
4-IC10	EI-336994	⚠ IC M5230L
4-TR1	ET-322598	↑ TR 2SB632K E,F
4-TR2,3		↑ TR 2SD612K E,F
4-TR4	ET-308976	TR 2SC1815 BL,GR
4-TR5 4-TR6	ET-318239 ET-310148	Δ TR 2SD603 E,F Δ TR 2SD612K E,F
4-TR7	ET-452531	△ TR 2SD012R E,F
4-TR8	ET-308976	TR 2SC1815 BL.GR
4-TR9to		TR 2SC2603 E,F
	to21 ET-336997	TR 2SB808-V G,H
4-TR22	,23 ET-328868	TR 2SD1012-V G,H
4-TR24	to27 ET-200505	TR 2SC2603 E,F
4-TR29		TR 2SC2603 E,F
4-TR30		TR 2SA733A P,Q
4-D1	ED-322238	D SILICON 184841 100/1.0A
4-D2to5 4-D6	ED-306109 ED-338412	△ D SILICON W03B 100/1.0A D ZENER V HZ27-3S1
4-D6 4-D7	ED-337019	D ZENER V HZ6A-1S1
4-D8	ED-338403	D ZENER V HZ11B-1S1
4-D9,10		D SILICON V DS448-VB6
4-D12	ED-337289	D ZENER V HZ5A-1S1
4-D14	ED-200468	D SILICON V DS448-VB6
4-D17,1	8 ED-200468	D SILICON V DS448-VB6
4-D20	ED-306109	D SILICON W03B 100/1.0A
4-D22	ED-337019	D ZENER V HZ6A-1S1
4-SW1	ES-312234	∆ SW PUSH SDL-1P 01-1 E (U,E,B,S,V)
4-SW1	ES-312235	△ SW PUSH SDL-1P 01-1 J (J)
4-SW1	ES-312238	\triangle SW PUSH SDL-1P 01-1 UC (C,A)
4-VR1	EV-464220	R S-FIX H V8K4-1 3P 503
4-VS1	EJ-283140	△ SOCKET SELECTER X-I7238 6P (U)
4-CR1	EC-338341	C COMP 05-0034
4-CR2	ER-337374	R COMP 01-0400
4-CR3	ER-337376	R COMP 01-0399
4-CR4	ER-337631	R COMP 01-0449
4-X1	EC-337017	OSC CE CSB800A 0.8MHZ A R FUSE ERD2 FC 1/4W 20R0G
4-FR2 4-R5	ER-337287	R MF V 1/4W 3901G
4-R5 4-R6	ER-337283 ER-337284	R MF V 1/4W 1202G
4-R7,8	ER-325270	R OMF H FS 1W 272J
4-R22	ER-313699	R OMF H FS 2W 221J
4-R55	ER-338231	R MF V 1/4W 5361F
4-R56	ER-338232	R MF V 1/4W 2871F
4-R57	ER-338233	R MF V 1/4W 2261F
4-R58	ER-338234	R MF V 1/4W 1331F
4-R59	ER-338235	R MF V 1/4W 1820F
4-C4 4-C8	EC-306986 EC-338396	C STY V F05 500 221K 50DC ▲ C MMY V ECQEW 473M
7-60	EC-330390	250AC (U)
4-C8	EC-338400	△ C MMY V ECQ-E 473M 125DC (J)
4-C8	EC-338419	∆ С MMY V ECQUE 473JM 125AC (C,A)
4-C8	EC-331410	Δ C MMY V ECQUF 473M 250AC (E,B,S,V)

REF. No.	PARTS NO.	DESCRIPTION
	SW P.C BOAR	D
4-SW1	ES-337043	SW ROTARY SRU1023 1-02-03N
4-SW2	ES-337043	SW ROTARY SRU1023 1-02-03N
4-J 1	EJ-337654	DIN J UC-0044 P 8P

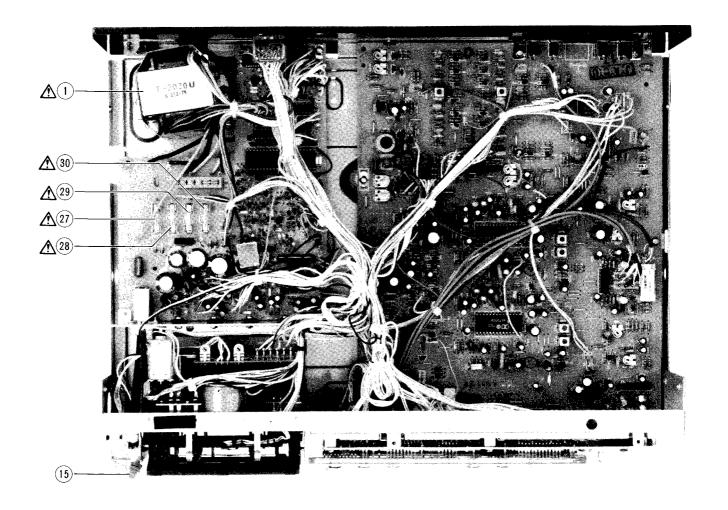
5. METER/OPERATE P.C BOARD BLOCK

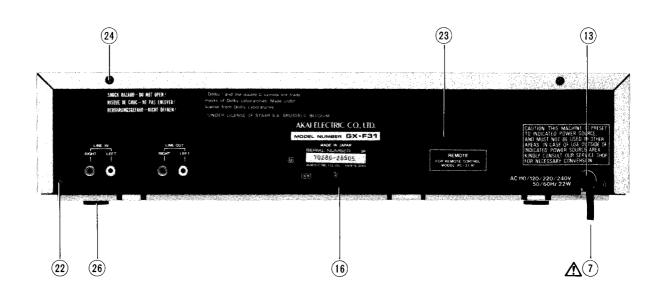
REF. NO.	PARTS NO.	DESCRIPTION
5-IC1,2	EI-315799	IC HA12019
5-IC 3	EI-337013	IC LB1290
5-D1	ED-200469	D SILICON H DS448 FA5 F10
5-D2	ED-337014	D LED SR503D RED
5-D3	ED-200469	D SILICON H DS448 FA5 F10
5-D4	ED-337016	D LED SG203DA GRN
5-IN 1	EM-336988	IND FL FIP48BW11Y DOUBLE
5-SW1to9	ES-336780	SW TACT KHH10902

6. MOTOR P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
6- I C1,2	EI-201940	IC NJM4558S
6-IC3,4	EI-337568	HOLE ELEMENT DHD-H070
6-TR1	ET-337011	TR 2SC2274K D,E
6-TR2	ET-337012	TR 2SA984K D,E
6-TR3	ET-337011	TR 2SC2274K D,E
6-TR4	ET-337012	TR 2SA984K D,E
6-D1to4	ED-316143	D SILICON H 1S2473HS F10
6-D5	ED-338561	D ZENER H HZ2 F10 B2
6-VR1,2	EV-464253	R S-FIX V V8K1-1 3P 202

ASSEMBLY BLOCK

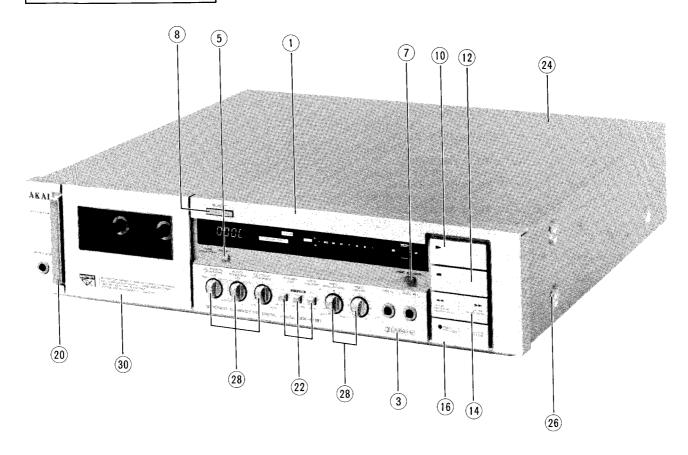




7. ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
7-1	BT-337244	△ TRANS POWER T-2030(U)
7-2x	BT-337245	△ TRANS POWER T-2030(J)
7-3x	BT-337246	↑ TRANS POWER T-2030(A,C)
7-4x	BT-337247	△ TRANS POWER T-2030(E,V)
7-5 x	BT-337248	△ TRANS POWER T-2030(B,S)
7-6x	ZS-301398	ST BID40x08STL CMT
7-7	EW-306428	△ AC CORD 2 CORES KP-205A,
7-8x	EW-306427	VFF J (U) △ AC CORD 2 CORES KP-211, VFF J (J)
7-9x	EW-305691	Δ AC CORD 2 CORES KP-8, SPT-1 UC (C,A)
7-10x	EW-313882	Δ AC CORD 2 CORES KP-419C, LTCE-2F E (E,V)
7-11x	EW-313884	▲ AC CORD 2 CORES GTBS-2F 24/0.20×2 B (B)
7-12x	EW-201515	△ AC CORD 2 CORES KP-560, LTSA-2F S (S)
7-13	SZ-631945	STRAIN RELIEF SR-4N-4
7 1 4 2	E1 402000	(U,J,C,A,E,S,V)
7-14x	EJ-692908	STRAIN RELIEF SR-5N-4 (B)
7-15	EL-337053	PL CORD 16.0V 80MA 400/400
7-16	SP-336190F	PANEL REAR GX-F31 (U) AS
7-17x	SP-336190G	PANEL REAR GX-F31 (J) AS
7-18x	SP-336190H	PANEL REAR GX-F31 (C) AS
7-19x	SP-336190M	PANEL REAR GX-F31 (A) AS
7-20x	SP-336190J	PANEL REAR GX-F31 (E,V) AS
7-21x	SP-336190K	PANEL REAR GX-F31 (B,S) AS
7-22	ZS-463353	T2BR30×08STL BNI
7-23	ZW-231030	RV NYL30×045 BL
7-24	ZS-463353	T2BR30×08STL BNI
7-25x	ZW305013	RV POP32
7-26	SA-336217	FOOT
7-27	EF-327103	△ FUSE TSC A 250V 0.50A (F2)(U,J)
7-28	EF-327103	Δ FUSE TSC A 250V 0.50A (F3)(U,J)
7-29	EF-306949	Δ FUSE TSC A 250V 1.25A (F4)(U,J)
7-30	EF-306949	▲ FUSE TSC A 250V 1.25A (F5)(U,J)
7-31x	EF-309390	△ FUSE TSC 125V 0.50A (F2)(C,A)
7-32x	EF-309390	△ FUSE TSC 125V 0.50A (F3)(C,A)
7-33x	EF-309392	△ FUSE TSC 125V 1.25A (F4)(C,A)
7-34x	EF-309392	△ FUSE TSC 125V 1.25A (F5)(C,A)
7-35x	EF-330462	Δ FUSE GGS A 250V 0.20A (F6)(C,A)
7-36x	EF-623103	△ FUSE SEMKO T 250V 1A(F1)(B)
7-37x	EF-593706	△ FUSE SEMKO T 250V 0.50A
		(F2)(E,B,S,V)
7-38x	EF-593706	△ FUSE SEMKO T 250V 0.50A (F3)(E,B,S,V)
7-39x	EF-602550	△ FUSE SEMKO T 250V 1.25A (F4)(E,B,S,V)
7-40x	EF-602550	△ FUSE SEMKO T 250V 1.25A (F5)(E,B,S,V)
7-41x	EF-300588	Δ FUSE EAWK T 250V 0.20A (F6) (E,B,S,V)

FINAL ASSEMBLY BLOCK



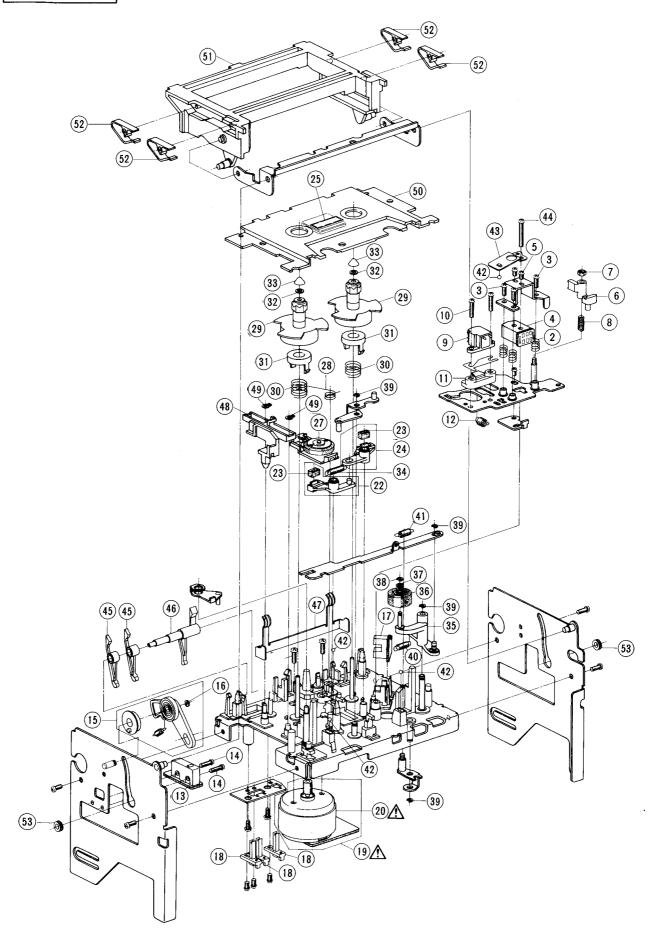
8. FINAL ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
	FRONT PANEL	BLOCK
8-1	SP-336188C	PANEL FRONT GX-F31
8-2 x	SP-336188D	PANEL FRONT GX-F31-P
8-3	BD-B336134A	PANEL SUB (D) PART
8-4 x	BD-B336134B	PANEL SUB (D)-P PART
8-5	SK-336237A	KNOB (A-1)
8-6x	SK-336237C	KNOB (A)-P
8-7	SK-336237B	KNOB (A-2)
8-8	SK-336240A	KNOB (C)
8-9 x	SK-336240B	KNOB (C)-P
8-10	SK-B336241A	KNOB OPERATE (A) PART
8-11x	SK-B336241B	KNOB OPERATE (A)-P PART
8-12	SK-B336242A	KNOB OPERATE (B) PART
8-13x	SK-B336242B	KNOB OPERATE (B)-P PART
8-14	SK-B336243C	KNOB OPERATE (C-2) PART
8-15x	SK-B336243D	KNOB OPERATE (C-2)-P PART
8-16	SK-B336244A	KNOB OPERATE (D) PART
8-17	BD-B336244B	KNOB OPERATE (D)-P PART
8-18x	SP-336236A	PANEL SUB (B-1)
8-19x	SP-336236B	PANEL SUB (B-1)-P
8-20	SK-336251	KNOB POWER
8-21x	SK-336252	KNOB SPACER
	FINAL ASSEM	BLY BLOCK
8-22	SK-336230A	KNOB PUSH
8-23x	SK-336230B	KNOB PUSH-P
8-24	SP-336191A	COVER UPPER
8-25x	SP-336191B	COVER UPPER-P
8-26	ZS-341959	ST BID40×06STL NI3
8-27x	ZS-341960	ST BID40×06STL BNI
8-28	SK-336229A	KNOB ROTARY
8-29x	SK-336229B	KNOB ROTARY-P
8-30	BD-B336235A	LID PANEL PART
8-31x	BD-B336235B	LID PANEL-P PART

II. MODEL GX-F51

REC	OMMENDED S	SPARE PARTS	NO.	PARTS NO.	DESCRIPTION
Because, if the parts listed below are on hand, almost any		68	EF-593706	△ FUSE SEMKO T 250V 0.50A	
repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.		69	EF-602550	(E,B,S,V)(F3) △ FUSE SEMKO T 250V 1.25A (E,B,S,V)(F4,5)	
211000	210001111111111111111111111111111111111		70	EF-623103	△ FUSE SEMKO T 250V 1A(B)(F1)
NO.	PARTS NO.	DESCRIPTION	71 72	EF-327103 EF-306949	△ FUSE TSC A 250V 0.50A(U,J)(F3) △ FUSE TSC A 250V 1.25A
1	ET-337359	PHOTO SENSOR MCD-7213P		EE 100100	(U,J)(F4,5)
2	ET-311977	PHOTO SENSOR SPI-201	73 74	EF-309390 EF-309392	△ FUSE TSC 125V 0.50A(C,A)(F3) △ FUSE TSC 125V 1.25A(C,A)(F4,5)
3	ET-321016	TR FET 2SK117 GR,BL TR 2SA1115 E,F	75	EI-337568	HOLE ELEMENT DHD-H070
4 5	ET-200558 ET-554657	TR 2SA7115 E,F TR 2SA733A P,Q	76	EI-330352	IC BA6109
6	ET-337012	TR 2SA984K D,E	77	EI-315799	IC HA12019
7	ET-322598	TR 2SB632K E,F	78	EI-336983	IC HA12038
8	ET-328438	TR 2SB808-V F,G	79 80	EI-336761 EI-337013	IC LA6458S IC LB1290
9	ET-336997	TR 2SB808-V G,H	81	EI-337019	IC LC4049
10 11	ET-308976 ET-337258	TR 2SC1815 BL,GR TR 2SC1843 E,F	82	EI-337008	IC LC7800
12	ET-337238 ET-331279	TR 2SC1843 P,F SNP	83	EI-337006	IC LM6402H-063
13	ET-309353	TR 2SC2274 E,F	84	EI-337369	IC MB74LS00M
14	ET-337011	TR 2SC2274K D,E	85	EI-337242	IC MB8843-600M
15	ET-310833	TR 2SC2274K E	86 87	EI-337228 EI-336994	IC M5218L0 IC M5230L
16	ET-200505	TR 2SC2603 E,F	88	EI-213390	IC NJM4558D
17 18	ET-316171	TR 2SC536K-NP E,F TR 2SD1012-V F,G	89	EI-201940	IC NJM4558S
19	ET-328437 ET-328868	TR 2SD1012-V G,H	90	EI-336995	IC NJM78L05A
20	ET-452531	TR 2SD313 E,F	91	EI-200938	IC TA75558S
21	ET-310148	TR 2SD612K E,F	92	EI-302233	IC TC4051BP
22	ET-318239	TR 2SD863 E,F	93 94	EI-336992 EI-338392	IC μPC1043 IC μPC1224H
23	EV-315416	R S-FIX H D8 3P 103	95	EJ-283140	△ SOCKET SELECTER X-17238
24	EV-321637	R S-FIX H D8 3P 104		130 200 . 10	6P (U)
25 26	EV-315414 EV-315412	R S-FIX H D8 3P 203 R S-FIX H D8 3P 502	96	EJ-337654	DIN J UC-0044 P 8P
27	EV-315413	R S-FIX H D8 3P 503	97	EL-337053	PL CORD 16.0V 80MA 400/400
28	EV-336785	R S-FIX H TM8KV2-1S 3P 0.50W 104	98	EM-337243	IND FL FIP48AW11Y DOUBLE
29	BF-B336013	FLYWHEEL PART	99 1 00	EO-337044 EO-337046	COIL FIX 2 102AK-005 36MH COIL OSC 1 0365-028 100KHZ
30	BH-T2030A190A	HEAD BLK GX-F51	100	EO-315758	COIL TUN 1 100S-431 100KHZ
31	BL-B336150	ARM PINCH ROLLER (A) PART	102	EO-337055	COIL VARI I FE002S 10MH
32 33	BM-M3103A010A BM-B337064	△ MOTOR BLM-300 △ MOTOR OPERATION (PULLEY)	103	EP-322437	RELAY LEAD LAB2NS 2NO 5V
33	BM-B337004	PART	104	ER-337287	⚠ R FUSE ERD2FC 1/4W 20ROG
34	BM-B336989	▲ REEL MOTOR (PULLEY) PART	105	ER-337286	A R FUSE ERD2FC 1/4W 30ROG
35	BM-T2030A120A	REEL MOTOR BLK GX-F51	106 107	ER-307565 ER-337380	△ R FUSE ERD2FC 1/4W 6R8J FILTER CE KMFC-1001S 3.580MHZ
36	BR-336606	REEL TABLE ASSY	107	ER-336775	FILTER DB D07001K 19KHZ
37 38	BT-337246 BT-337248	△ TRANS POWER T-2030(A,C) △ TRANS POWER T-2030(B,S)	109	ER-336776	FILTER DB D07003K 100KHZ
39	BT-337248	△ TRANS POWER T-2030(E,V)	110	ER-337376	R COMP 01-0399
40	BT-337245	△ TRANS POWER T-2030(J)	111	ER-337374	R COMP 01-0400
41	BT-337244	△ TRANS POWER T-2030(U)	112	ER-337631	R COMP 01-0449
42	BZ-T2030A110A	OIL CLUTCH BLK GX-F51	113	ES-312234	∆ SW PUSH SDL-1P 01-1 E (U,E,B,S,V)
43	EC-338341	C COMP 05-0034	114	ES-312235	△ SW PUSH SDL-1P 01-1 J (J)
44 45	EC-337017 ED-328605	OSC CE CSB800A 0.8MHZ D GERMA H 1S188FM-1-LH SNP	115	ES-312238	△ SW PUSH SDL-1P 01-1 UC (C.A)
46	ED-308952	D GERMA V 1K34A-LR F07	116	ES-336990	SW LEAF BSW-169 01-1 NO
47	ED-337016	D LED SG203DA GRN	117	ES-337344	SW MICRO SS-01-ED UC
48	ED-337010	D LED SLF-201C GRN	118	ES-337045	SW PUSH SUN312A 3-THROW
49	ED-337014	D LED SR503D RED	119 120	ES-337232 ES-337231	SW ROTARY SBM1023N 2-02-03N SW ROTARY SBM1024N 2-02-04N
50	ED-301911	D SILICON H DS448 D SILICON H DS448 FA5 F10	121	ES-336780	SW TACT KHH10902
5 I 5 2	ED-200469 ED-316143	D SILICON H 152473HS F10	122	EV-464220	R S-FIX H V8K4-1 3P 503
53	ED-200468	D SILICON V DS448-VB6	123	EV-522663	R S-FIX V V8K1-1 3P 104
54	ED-306109	D SILICON W03B 100/1.0A	124	EV-464253	R S-FIX V V8K1-1 3P 202
5 5	ED-322238	D SILICON 1B4B41 100/1.0A	125	EV-464264	R S-FIX V V8K1-1 3P 503 VR ROTARY 16L10xOR B103
56	ED-338092	D ZENER H HZ-2 B1	126 127	EV-337052 EV-337028	VR ROTARY 16P20×20 A204
57	ED-338561	D ZENER H HZ2 F10 B2	128	EV-337029	VR ROTARY 16P20×2P M204 N204
58 59	ED-337292 ED-309069	D ZENER H HZ5 B1 D ZENER H HZ6 B2	129	EV-337030	VR ROTARY 16P20x2Q B103
60	ED-338403	D ZENER V HZ11B-IS1	130	HE-337047	HEAD E HJ213270 C
61	ED-338413	D ZENER V HZ24-2S1	131	HP-H2201A010A	HEAD R/P PR4-7 C
62	ED-338412	D ZENER V HZ27-3S1	132	MB-336021 MP-336153	BELT OPERATION PINCH ROLLER (A)
63	ED-337289	D ZENER V HZ5A-ISI	133	TC-336002	HOLDER CAPSTAN (B)
64	ED-337019	D ZENER V HZ6A-ISI	135	TC-336004B	HOLDER CAPSTAN (C-2)
65 66	ED-336998 EF-300588	D ZENER V HZ6B-2S1 ▲ FUSE EAWK T 250V 0.20A	136	TC-336605	WIND IDLER ASSY
00	171-200200	(E,B,S,V)(F6)			
67	EF-330462	Δ FUSE GGS A 250V 0.20A (C,A)(F6)			

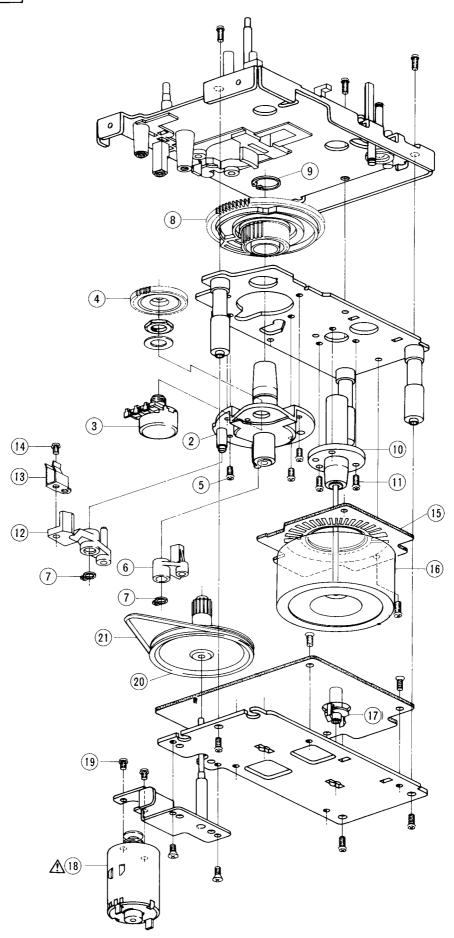
MECHA BLOCK



1. MECHA BLOCK

```
REF.
        PARTS NO.
                         DESCRIPTION
        HEAD BLOCK
 1-1 x
      BH-T2030A190A HEAD BLK GX-F51
1-2
        ZG-336127
                      SP PUSH HEAD
1-3
        ZS-608106
                      PAN20×06STL CMT
1-4
      HP-H2201A010A HEAD R/P PR4-7 C
1-5
        ZS-477876
                      PAN20x03STL CMT
                      GUIDE TAPE
        HZ-336129
1-6
1-7
        ZW-618884
                      N20STL CMT 1
1-8
        ZG-336130
                      SP PUSH GUIDE
1-9
        HE-337047
                      HEAD E HJ213270 C
1-10
        ZS-465298
                      PAN23×10STL CMT
                      HOLDER E HEAD
1-11
        HZ-336131
1-12
        ZG-341972
                      SP PULL HEAD RETURN
        SW MICRO P.C BOARD BLOCK
1-13
                      SW MICRO SS-01-ED UC (SW1)
        ES-337344
        CHASSIS MECHA SIDE (L) BLOCK
1-14
        ZS-310337
                      PAN20×08STL CMT
      BZ-T2030A110A OIL CLUTCH BLK GX-F51
1-15
1-16
        ZW-270088
                      RING E 190SUP CMT
        DETECTION P.C BOARD BLOCK
1-17
                      PHOTO SENSOR SPI-201 (PH1)
        ET-311977
        SW LEAF BLOCK
1-18
        ES-336990
                      SW LEAF BSW-169 01-1 NO
                                      (SW902,903,904)
        REEL MOTOR BLOCK
1-19
      BM-T2030A120A REEL MOTOR BLK GX-F51
1-20
        BM-B336989
                      △ REEL MOTOR (PULLEY) PART
1-21x
        EO-669273
                      COIL FIX 2 FL5R200 18µH (L1,2)
        LEVER BRAKE (A) BLOCK
      BL-T2030A160A LEVER BRAKE (A) BLK GX-F51
1-22
1-23
        TC-336146
                      BRAKE RUBBER
        LEVER BRAKE (B) BLOCK
1-24
      BL-T2030A170A LEVER BRAKE (B) BLK GX-F51
        D LED BLOCK
1-25
        ED-337010
                      D LED SLF-201C GRN (D901)
        MECHA BLOCK
1-26x BZ-T2030A080A
                      MECHA BLK GX-F51
1-27
        TC-336605
                      WIND IDLER ASSY
1-28
                      SP TORSION IDLER
        ZG-336140
1-29
        BR-336606
                      REEL TABLE ASSY
1-30
                      SP PUSH BT
        ZG-336141
1 - 31
                      HOLDER BT SP
        TC-336142
1-32
        ZW-330073
                      PW21×040×020
1-33
        MT-305793
                      REEL CAP
1-34
        ZG-312946
                      SP T1-3.2/0.29-16.0 T1-062
                      ARM PINCH ROLLER (A) PART
1-35
        BL-B336150
1-36
        MP-336153
                      PINCH ROLLER (A)
1-37
        ZW-381644
                      PW21x040x013PSL
1-38
         ZW-356657
                      RING E 150SUP CMT
1-39
        ZW-270088
                      RING E 190SUP CMT
                      SP PULL PINCH ROLLER (T-2)
1-40
        ZG-342575
1-41
        ZG-321534
                      SP T2-3.2/0.29-12.5 T2-060
1-42
        MV-357208
                      BALL200STL
1-43
        ZG-336157
                      SP PLATE HEAD HOLD
1-44
        ZS-342002
                      ST PAN26×16STL CMT
1-45
        ML-336158
                      LEVER DETECTION (B)
1-46
        ML-336159
                      LEVER DETECTION (A)
1-47
        ZG-336160
                      SP PLATE CASSETTE HOLDER (A)
1-48
        TC-336161
                      SLIDE EJECT
1-49
                      RING GRIP 285SUP ACP
        ZW-336603
1-50
        BD-B336162B
                      LID DECORATION (B) PART
1 -5 [
        SP-336163
                      LID CASE
1-52
        ZG-336615
                      SP PLATE CASSETTE HOLDER (B)
1-53
        SZ-336166
                      COLLAR LID
```

MOTOR BLOCK



2. MOTOR BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
2-1 x	BM-M3103A010A	MOTOR BLM-300
2-2	TC-336004B	HOLDER CAPSTAN (C-2)
2-3	EV-337052	VR ROTARY 16L10×OR B103
2-4	MZ-336005	GEAR POTENTION
2-5	ZS-432843	PAN26×04STL CMT
2-6	BL-B336007	LEVER BRAKE CAM PART
2-7	ZW-336603	RING GRIP 285SUP ACP
2-8	MZ-336006	CAM WHEEL
2-9	ZW-336604	RING S839SUP ACP
2-10	TC-336002	HOLDER CAPSTAN (B)
2-11	ZS-479474	PAN26×05STL CMT
2-12	BL-B336009	LEVER EJECT CAM PART
2-13	ZG-336011	SP PLATE CAM LEVER
2-14	ZS-477876	PAN20×03STL CMT
2-15	EA-336012	PC FG
2-16	BF-B336013	FLYWHEEL PART
2-17	TC-336016	HOLDER THRUST (A)
2-18	BM-B337064	MOTOR OPERATION (PULLEY)
		PART)
2-19	ZS-477876	PAN20×03STL CMT
2-20	MR-336019	PULLEY OPERATE
2-21	MB-336021	BELT OPERATION

3. PRE AMP P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
3-1	BA-T2030A030A	PC PRE AMP BLK GX-F51 (U) (U,J,C,A)
3-2	BA-T2030A030B	PC PRE AMP BLK GX-F51 (E) (E,B,S,V)
3-3	BA-T2030A030C	PC PRE AMP BLK GX-F51-P (U) (U,J,C,A)
3-4	BA-T2030A030D	PC PRE AMP BLK GX-F51-P (E) (E,B,S,V)
	PRE AMP P.C	BOARD
3-IC1	EI-200938	IC TA75558S
3-IC2	EI-336983	IC HA12038 IC M5218L0
3-IC3 3-IC4	EI-337228 EI-336761	IC LA6458S
3-IC5	EI-337369	IC MB74LS00M
3-IC6	EI-338392	IC μPC1224H
3-IC7to		IC LA6458S
3-TR1 3-TR2t	ET-328868 606 ET-200505	TR 2SD1012-V G,H TR 2SC2603 E,F
3-1 R20		TR 2SA1115 E,F
3-TR9t		TR 2SC2603 E,F
3-TR17		TR 2SD1012-V G,H
3-TR18		TR 2SC1843 E,F
	9to21 ET-328868 2to29 ET-200505	TR 2SD1012-V G,H TR 2SC2603 E,F
3-TR22		TR 2SA1115 E,F
3-TR3	ET-200505	TR 2SC2603 E,F
3-TR32		TR 2SB632K E,F
3-TR33		TR 2SC1843 P,F SNP TR 2SC2603 E,F
3-TR3		TR 2SC2274K E
3-TR3		TR 2SC2274 E,F
3-TR38		TR FET 2SK117 GR,BL
3-TR42		TR 2SC2603 E,F TR 2SD1012-V F,G
3-TR4:		TR 2SB1012-V 1,G
3-TR44		TR 2SC2603 E,F
3-D1	ED-301911	D SILICON H DS448
3-D2 3-D3	ED-337292 ED-328605	D ZENER H HZ5 B1 D GERMA H 1S188FM-1-LH SNP
3-D3 3-D4to		D SILICON H DS448
3-D14	ED-200468	D SILICON V DS448-VB6
3-D15t		D SILICON H DS448
3-D18	ED-309069 20 ED-301911	D ZENER H HZ6 B2 D SILICON H DS448
3-D19, 3-D21,		D SILICON H D3448 D SILICON V DS448-VB6
3-D23,		D GERMA V 1K34A-LR F07
3-D25	ED-338413	D ZENER V HZ24-2S1
3-D26	ED-301911	D SILICON H DS448 PHONE J THROW HLJ4353-210
3-J1 3-J1	EJ-337027 EJ-337024	2×3P PHONE J THROW HLJ4353-010
		2×3P (P)
3-J2 3-J2	EJ-332435	PIN J P 4P (U,J,C,A) JACK PLATE (E,B,S,V)
3-32 3-SW11	EJ-332437 303 ES-337045	SW PUSH SUN312A 3-THROW
3-VR1	EV-337029	VR ROTARY 16P20×2P M204 N204
3-VR2	EV-337028	VR ROTARY 16P20x2O A204
3-VR3 3-VR4	EV-337030 EV-315414	VR ROTARY 16P20×2Q B103 R S-FIX H D8 3P 203
3-VR5	EV-315414 EV-315413	R S-FIX H D8 3P 503
3-VR6	EV-315416	R S-FIX H D8 3P 103
3-VR7	EV-315414	R S-FIX H D8 3P 203
3-VR8 3-VR9	EV-321637	R S-FIX H D8 3P 104 R S-FIX H D8 3P 502
3-VR9	EV-315412 0 EV-315416	R S-FIX H D8 3P 502 R S-FIX H D8 3P 103
3-VR1		R S-FIX H TM8KV2-1S 3P 0.50W
3-L1	EO-669273	COIL FIX 2 FL5R200 18µH
3-RL1	EP-322437	RELAY LEAD LAB2NS 2NO 5V
3-PH 1 3-FL 1	ET-337359 EO-337044	PHOTO SENSOR MCD-7213P COIL FIX 2 102AK-005 36MH
3-FL1	EO-337044 EO-337055	COIL VARI 1 FE002S 10MH

REF. NO.	PARTS NO.	DESCRIPTION
3-FL3	ER-336776	FILTER DB D07003K 100KHZ
3-FL4	ER-336775	FILTER DB D07001K 19KHZ
3-FL5,6	EO-315758	COIL TUN 1 100S-431 100KHZ
3-T1	EO-337046	COIL OSC 1 0365-028 100KHZ
3-FR1,2	ER-307565	▲ R FUSE ERD2FC 1/4W 6R8J
3-C4	EC-313532	C EC V F05 NP 04D 1R0M 50DC
3-C45	EC-329431	C SA V T05 1R0K 25DC
3-C49,50	EC-308940	C EC V F05 NP 04D R47M 50DC
3-C63	EC-331631	C STY V SNP CQFS 821J 50DC
3-C65	EC-338042	C EC V F05 NP NXA 2R2M 50DC
3-C75	EC-314992	C STY V F05 CQF09 681J 50DC
3-C77	EC-332052	C EC V F05 NP SM 4R7M 35DC
3-C83	EC-333972	C EC V F05 NP SM 3R 3M 50DC
3-C95	EC-337005	C PP V F10 ECQ-F 152J 630DC
3-C116	EC-306017	C STY V F05 CQ09S 221J 50DC
	PHONE JACK	P.C BOARD
3-J3	EJ-336885	PHONE J 3P HLJ0607-023 6.3
		(U,J,C,A)
3-J3	EJ-336886	PHONE J 3P HLJ0607-020 6.3
		(E,B,S,V)

4. SYS. CON. P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
4-1	DA T2020A050A	DC CVC CON DI V CV ECI(II)
4-1 4-2	BA-T2030A050A BA-T2030A050B	PC SYS CON BLK GX-F51(U) PC SYS CON BLK GX-F51(J)
4-2	BA-T2030A050C	PC SYS CON BLK GX-F51(f)
4-4	BA-T2030A050C	(C,A) PC SYS CON BLK GX-F51(E)
4-5	BA-T2030A050E	(E,S,V) PC SYS CON BLK GX-F51(B)
4 -3	BA-12030A030E	Te 313 con BER GX-131(B)
	SYS. CON. P.	
4-IC1	EI-337006	IC LM6402H-063
4-IC2,3		IC LB1290
4-IC4,5		IC LC7800
4-IC6	EI-337009	IC LC4049
4-IC7	EI-336761	IC LA6458S
4-IC8	EI-330352	IC BA6109
4-IC9	EI-336992	IC μPC1043
4-IC10 4-IC11	EI-336994 EI-336995	▲ IC M5230L ▲ IC NJM78L05A
4-TR1	ET-322598	Δ TR 2SB632K E,F
4-TR2,		△ TR 2SD632K E,F
4-TR4	ET-308976	TR 2SC1815 BL,GR
4-TR5	ET-318239	△ TR 2SD863 E,F
4-TR6	ET-322598	Δ TR 2SB632K E,F
4-TR7	ET-452531	△ TR 2SD313 E,F
4-TR8	ET-308976	TR 2SC1815 BL,GR
4-TR9t	o17 ET-200505	TR 2SC2603 E,F
4-TR18	to21 ET-336997	TR 2SB808-V G,H
4-TR22	.,23 ET-328868	TR 2SD1012-V G,H
4-TR24	to27 ET-200505	TR 2SC2603 E,F
4-TR29		TR 2SC2603 E,F
4-TR30		TR 2SA733A P,Q
4-D1	ED-322238	△ D SILICON 1B4B41 100/1.0A
4-D2to:		△ D SILICON W03B 100/1.0A
4-D6 4-D7	ED-338412 ED-337019	D ZENER V HZ27-3S1 D ZENER V HZ6A-1S1
4-D7	ED-337019 ED-338403	D ZENER V HZ11B-1S1
4-D9,10		D SILICON V DS448-VB6
4-D12	ED-337289	D ZENER V HZ5A-1S1
4-D14	ED-200468	D SILICON V DS448-VB6
4-D17,1	18 ED-200468	D SILICON V DS448-VB6
4-D20	ED-306109	D SILICON W03B 100/1.0A
4-SW1	ES-312234	△ SW PUSH SDL-1P 01-1 E
		(U,E,B,S,V)
4-SW1	ES-312235	△ SW PUSH SDL-1P 01-1 J (J)
4-SW1	ES-312238	△ SW PUSH SDL-1P 01-1 UC (C,A)
4-VR1	EV-464220	R S-FIX H V8K4-1 3P 503
4-VS1	EJ-283140	△ SOCKET SELECTER X-17238 6P (U)
4-CR1	EC-338341	C COMP 05-0034
4-CR2	ER-337374	R COMP 01-0400
4-CR3	ER-337376	R COMP 01-0399
4-CR4	ER-337631	R COMP 01-0449
4-X1	EC-337017	OSC CE CSB800A 0.8MHZ
4-FR1	ER-337286	△ R FUSE ERD2FC 1/4W 30R0G
4-FR2	ER-337287	△ R FUSE ERD2FC 1/4W 20R0G
4-R5	ER-337283	R MF V 1/4W 3901G
4-R6	ER-337284	R MF V 1/4W 1202G
4-R7,8	ER-325270	R OMF H FS 1W 272J
4-R22 4-R55	ER-313699 ER-338231	R OMF H FS 2W 221J R MF V 1/4W 5361F
4-R56	ER-338231 ER-338232	R MF V 1/4W 3301F R MF V 1/4W 2871F
4-R57	ER-338232 ER-338233	R MF V 1/4W 2261F
4-R58	ER-338234	R MF V 1/4W 1331F
4-R59	ER-338235	R MF V 1/4W 1820F
4-C4	EC-306986	C STY V F05 500 221K 50DC
4-C8	EC-338396	△ C MMY V ECQEW 473M 250AC (U)
4-C8	EC-338400	△ C MMY V ECQ-E 473M 125DC (J)
4-C8	EC-338419	Δ C MMY V ECQUE 473JM 125AC (C,A)
4-C8	EC-331410	Δ C MMY V ECQUF 473M 250AC (E.B.S.V)

REF. NO.	PARTS NO.	DESCRIPTION
	SW P.C BOAR	D
4-SW1	ES-337231	SW ROTARY SBM1024N
		2-02-04N
4-SW2	ES-337232	SW ROTARY SBM1023N
		2-02-03N
4-J 1	EJ-337654	DIN J UC-0044 P 8P

5. TUNING P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
5-1 B	A-T2030A040A	PC TUNING BLK GX-F51
5-IC1	EI-337242	IC MB8843-600M
5-IC2	EI-302233	IC TC4051BP
5-IC3	EI-213390	IC NJM4558D
5-TR1t06	ET-316171	TR 2SC536K-NP E,F
5-TR7to9	ET-200558	TR 2SA1115 E,F
5-TR10to	18 ET-316171	TR 2SC536K-NP E,F
5-TR19,20	ET-200558	TR 2SA1115 E,F
5-TR21,22	ET-316171	TR 2SC536K-NP E,F
5-D1to3	ED-200468	D SILICON V DS448-VB6
5-D4,5	ED-336998	D ZENER V HZ6B-2S1
5-VR1,2	EV-464264	R S-FIX V V8K1-1 3P 503
5-VR3	EV-522663	R S-FIX V V8K1-1 3P 104
5-VR4	EV-464264	R S-FIX V V8K1-1 3P 503
5-FL1	ER-337380	FILTER CE KMFC-1001S
		3.580MHZ
5-R12	ER-324251	R OMF H FS 1W 101J
5-R78	ER-337269	R OMF V SNP 1W 101J

6. METER/OPERATE P.C BOARD BLOCK

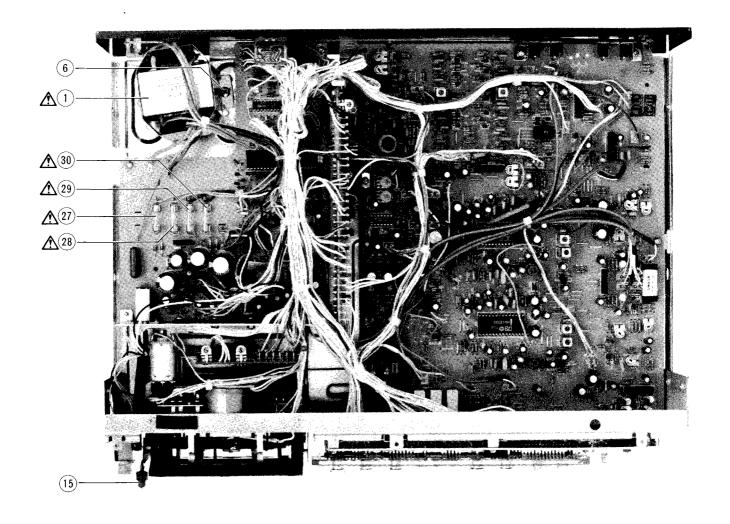
REF. NO.	PARTS NO.	DESCRIPTION
6-IC1,2	EI-315799	IC HA12019
6-IC3	EI-337013	IC LB1290
6-D1	ED-200469	D SILICON H DS448 FA5 F10
6-D2	ED-337014	D LED SR503D RED
6-D3	ED-200469	D SILICON H DS448 FA5 F10
6-D4	ED-337016	D LED SG203DA GRN
6-IN 1	EM-337243	IND FL FIP48AW11Y DOUBLE
6-SW1to13	ES-336780	SW TACT KHH10902

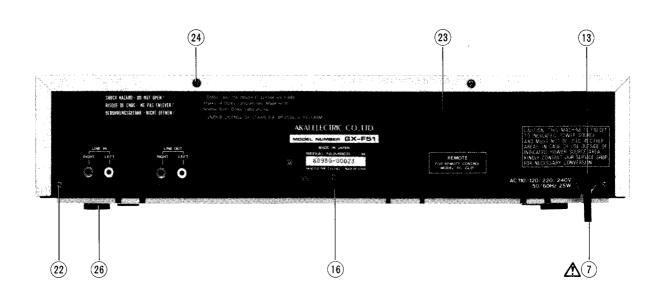
7. MOTOR P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
7-IC1,2	EI-201940	IC NJM4558S
7-IC3,4	EI-337568	HOLE ELEMENT DHD-H070
7-TR1	ET-337011	TR 2SC2274K D,E
7-TR2	ET-337012	TR 2SA984K D,E
7-TR3	ET-337011	TR 2SC2274K D,E
7-TR4	ET-337012	TR 2SA984K D,E
7-D1to4	ED-316143	D SILICON H 1S2473HS F10
7-D5	ED-338561	D ZENER H HZ2 F10 B2
7-VR1,2	EV-464253	R S-FIX V V8K1-1 3P 202

250AC (E,B,S,V)

ASSEMBLY BLOCK

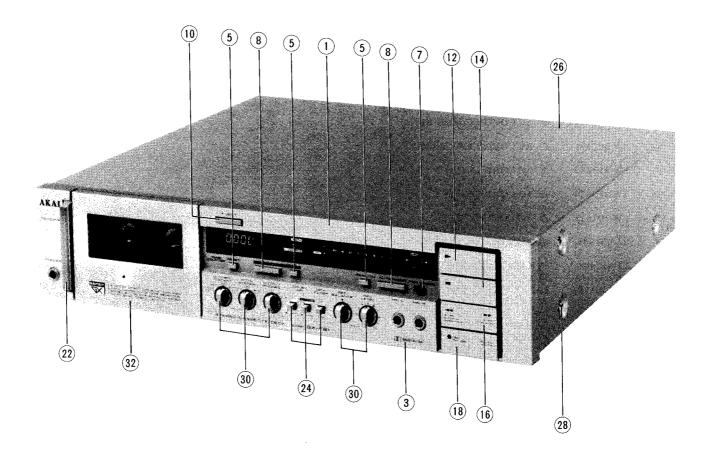




8. ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
8-1	BT-337244	▲ TRANS POWER T-2030(U)
8-2x	BT-337245	▲ TRANS POWER T-2030(J)
8-3x	BT-337246	△ TRANS POWER T-2030(A,C)
8-4x	BT-337247	△ TRANS POWER T-2030(E,V)
8-5 x	BT-337248	△ TRANS POWER T-2030(B,S)
8-6	ZS-301398	ST BID40×08STL CMT
8-7	EW-306428	△ AC CORD 2 CORES KP-205A,
0 ,	217 200 120	VFF J (U)
8-8x	EW-306427	Δ AC CORD 2 CORES KP-211, VFF J (J)
8-9x	EW-305691	△ AC CORD 2 CORES KP-8, SPT-1 UC (C,A)
8-10x	EW-313882	△ AC CORD 2 CORES KP-419C, LTCE-2FE (E,V)
8-11x	EW-313884	△ AC CORD 2 CORES GTBS-2F 24/0.20×2 B (B)
8-12x	EW-201515	Δ AC CORD 2 CORES KP-560, LTSA-2FS(S)
8-13	SZ-631945	STRAIN RELIEF SR-4N-4
		(U,J,C,A,E,S,V)
8-14x	EJ-692908	STRAIN RELIEF SR-5N-4 (B)
8-15	EL-337053	PL CORD 16.0V 80MA 400/400
8-16	SP-336190A	PANEL REAR GX-F51(U) AS
8-17x	SP-336190B	PANEL REAR GX-F51(J) AS
8-18x	SP-336190C	PANEL REAR GX-F51(C) AS
8-19x	SP-336190L	PANEL REAR GX-F51(A) AS
8-20x	SP-336190D	PANEL REAR GX-F51(E,V) AS
8-21x	SP-336190E	PANEL REAR GX-F51(B,S) AS
8-22	ZS-463353	T2BR30×08STL BNI
8-23	ZW-231030	RV NYL30×045 BL
8-24	ZS-463353	T2BR30×08STL BNI
8-25x	ZW-305013	RV POP32 (A)
8-26	SA-336217	FOOT
8-27	EF-327103	△ FUSE TSC A 250V 0.50A
8-28	EF-327103	(F2) (U,J) ⚠ FUSE TSC A 250V 0.50A
8.20	EE 206040	(F3) (U,J)
8-29	EF-306949	△ FUSE TSC A 250V 1.25A (F4) (U,J)
8-30	EF-306949	Δ FUSE TSC A 250V 1.25A (F5) (U,J)
8-31x	EF-309390	\triangle FUSE TSC 125V 0.50A (F2)(C,A)
8-32x	EF-309390	△ FUSE TSC 125V 0.50A (F3)(C,A)
8-33x	EF-309392	△ FUSE TSC 125V 1.25A (F4)(C,A)
8-34x	EF-309392	△ FUSE TSC 125V 1.25A (F5)(C,A)
8-35x	EF-330462	⚠ FUSE GGS A 250V 0.20A
		(F5) (C,A)
8-36x	EF-623103	⚠ FUSE SEMKO T 250V 1A(F1)(B)
8-37x	EF-593706	△ FUSE SEMKO T 250V 0.50A
		(F2) (E,B,S,V)
8-38x	EF-593706	★ FUSE SEMKO T 250V 0.50A
8 20	EE 602550	(F3) (E,B,S,V) ▲ FUSE SEMKO T 250V 1.25A
8-39x	EF-602550	(F4) (E,B,S,V)
8-40x	EF-602550	Δ FUSE SEMKO T 250V 1.25A (F5) (E,B,S,V)
8-41x	EF-300588	△ FUSE EAWK T 250V 0.20A
		(F6) (E,B,S,V)

FINAL ASSEMBLY BLOCK



9. FINAL ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
	FRONT PANEL	BLOCK	9-18	SK-B336244A	KNOB OPERATE (D) PART
9-1	BD-336188A	PANEL FRONT GX-F51	9-19x	BD-B336244B	KNOB OPERATE (D)-P PART
9-2 x	BD-336188B	PANEL FRONT GX-F51-P	9-20x	SP-336236A	PANEL SUB (B-1)
9-3	BD-B336189A	PANEL SUB (A) PART	9-21x	SP-336236B	PANEL SUB (B-1)-P
9-4x	BD-B336189B	PANEL SUB (A)-P PART	9-22	SK-336251	KNOB POWER
9-5	SK-336237A	KNOB (A-1)			
9-6x	SK-336237C	KNOB (A)-P		FINAL ASSEM	BLY BLOCK
9-7	SK-336237B	KNOB (A-2)	9-23x	SK-336252	KNOB SPACER
9-8	SK-336239A	KNOB (B)	9-24	SK-336230A	KNOB PUSH
9-9x	SK-336239B	KNOB (B)-P	9-25x	SK-336230B	KNOB PUSH-P
9-10	SK-336240A	KNOB (C)	9-26	SP-336191A	COVER UPPER
9-11x	SK-336240B	KNOB (C)-P	9-27x	SP-336191B	COVER UPPER-P
9-12	SK-B336241A	KNOB OPERATE (A) PART	9-28	ZS-341959	ST BID40×06STL NI3
9-13x	SK-B336241B	KNOB OPERATE (A)-P PART	9-29x	ZS-341960	ST BID40×06STL BNI
9-14	SK-B336242A	KNOB OPERATE (B) PART	9-30	SK-336229A	KNOB ROTARY
9-15x	SK-B336242B	KNOB OPERATE (B)-P PART	9-31x	SK-336229B	KNOB ROTARY-P
9-16	SK-B336243C	KNOB OPERATE (C-2) PART	9-32	BD-B336235A1	LID PANEL PART
9-17x	SK-B336243D	KNOB OPERATE (C-2)-P PART	9-33x		LID PANEL-P PART

III. MODEL GX-F71

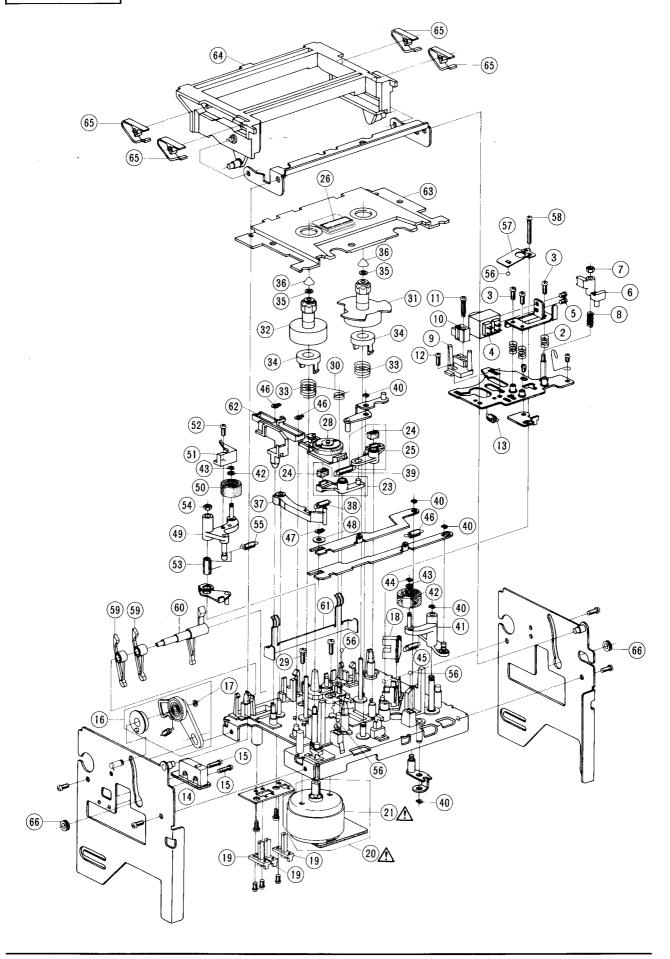
RECOMMENDED SPARE PARTS

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

NO.	PARTS NO.	DESCRIPTION	NO.	PARTS NO.	DESCRIPTION
1	BH-T2032A080A	HEAD BLK GX-F71	64	EI-336994	IC M5230L
2	BL-B336150	ARM PINCH ROLLER (A) PART	65	EI-337367	IC M58841-600P
3	BL-B336202	ARM PINCH ROLLER (B) PART	66	EI-307644	IC NJM4556D
4	BM-M3104A010A	△ MOTOR BLM-310	67	EI-213390	IC NJM4558D
5	BM-B337064	△ MOTOR OPERATION (PULLEY)	68	EI-201940	IC NJM4558S
		PART	69	EI-337025	IC NJM4562D
6	BM-B336989	⚠ REEL MOTOR (PULLEY) PART	70	EI-634140	IC SN74107N
7	BR-342719	REEL TABLE (B) ASSY	71	EI-336992	IC μPC1043
8	BR-336606	REEL TABLE ASSY	72	EI-337237	IC μPD4050
9	BT-337224	\triangle TRANS POWER T-2032(A,C)	73	EJ-283140	△ SOCKET SELECTER X-I7238
10	BT-337226	⚠ TRANS POWER T-2032(B,S)			6P (U)
11	BT-337225	↑ TRANS POWER T-2032(E,V)	74	EL-337053	PL CORD 16.0V 80MA 400/400
12	BT-337223	↑ TRANS POWER T-2032(J)	75	EM-337221	IND FL FIP54AW11Y DOUBLE
13	BT-337222	△ TRANS POWER T-2032(U)	76	EO-669273	COIL FIX 2 FL5R200 18μH
14 15	BZ-T2030A110A EC-338341	QIL CLUTCH BLK GX-F51 C COMP 05-0034	77	EO-337343	COIL OSC 1 2325-267 100MHZ
16	EC-300034	C S-FIX H ECR-CA100H12 9.0-100	78 79	EO-315758	COIL TUN 1 100S-431 100KHZ
17	EC-337366	OSC CE CSB-600C 600 KHZ	80	EO-336738 ER-318647	COIL TUN 1 102AK-004 19.8KHZ
18	EC-337017	OSC CE CSB800A 0.8MHZ	81	ER-336775	FILTER DB D07001K 19KHZ
19	ED-308952	D GERMA V 1K34A-LR F07	82	ER-336776	FILTER DB D07001K 19KHZ
20	ED-322982	D GERMA V IS188FM-1-LR F07	83	ER-337376	R COMP 01-0399
21	ED-337016	D LED SG203DA GRN	84	ER-337374	R COMP 01-0400
22	ED-337010	D LED SLF-201C GRN	85	ER-337631	R COMP 01-0449
23	ED-337238	D LED SLP-162B RED	86	ES-312234	△ SW PUSH SDL-1P 01-1 E
24	ED-337239	D LED SLP-262B GRN			- (U,E,B,S,V)
25	ED-337014	D LED SR503D RED	87	ES-312235	△ SW PUSH SDL-1P 01-1 J (J)
26	ED-337195	D LED SY403DA YLW	88	ES-312238	△ SW PUSH SDL-1P 01-1 UC (C,A)
27	ED-301911	D SILICON H DS448	89	ES-336990	SW LEAF BSW-169 01-1 NO
28	ED-338229	D SILICON H DS448FB4 F12	90	ES-337344	SW MICRO SS-01-ED UC
29	ED-330987	D SILICON RB152 200/1.5A	91	ES-337257	SW PUSH SUN312A 3-THROW
30	ED-200468	D SILICON V DS448-VB6	92	ES-337197	SW ROTARY SBM1023N 2-02-03N
31	ED-306109	D SILICON W03B 100/1.0A	93	ES-337196	SW ROTARY SBM1024N 2-02-04N
32 33	ED-330622	D SILICON 1SR35-100VL 100/1.0A	94	ES-283072	SW SLIDE SSC22LP 2-02-02N
34	ED-338561 ED-337268	D ZENER H HZ2 F10 B2 D ZENER H HZ5A-1	95	ES-336780	SW TACT KHH10902
35	ED-337265	D ZENER H HZ5A-1 D ZENER H HZ6C-2	96 97	ET-337359	PHOTO SENSOR MCD-7213P
36	ED-337203 ED-302295	D ZENER H HZ7 C3	98	ET-311977 ET-321016	PHOTO SENSOR SPI-201 TR FET 2SK117 GR,BL
37	ED-306014	D ZENER H HZ9 C3	99	ET-337235	TR FET 2SK170 BL,V
38	ED-337266	D ZENER H HZ9A-1	100	ET-337234	TR FET 2SK270 GR,BL
39	ED-338316	D ZENER V HZ22-1S1	101	ET-200558	TR 2SA1115 E,F
40	ED-337259	D ZENER V HZ6A-3S1	102	ET-554657	TR 2SA733A P,Q
41	ED-337260	D ZENER V HZ7B-2S1	103	ET-337012	TR 2SA984K D,E
42	EF-300588	△ FUSE EAWK T 250V 0.20A	104	ET-337967	TR 2SA990 E,F
		(E,V)(F6)	105	ET-337233	TR 2SA995 F,G
43	EF-695766	△ FUSE SEMKO T 250V 0.31A	106	ET-322598	TR 2SB632K E,F
		(B,S)(F1)	107	ET-328438	TR 2SB808-V F,G
44	EF-593706	△ FUSE SEMKO T 250V 0.50A	108	ET-336997	TR 2SB808-V G,H
	DD 400000	(E,B,S,V)(F5)	109	ET-375603	TR 2SC1061 B,C
45	EF-602550	▲ FUSE SEMKO T 250V 1.25A	110	ET-337258	TR 2SC1843 E,F
46	EF-308933	(E,B,S,V)(F3,4)	111	ET-337011	TR 2SC2274K D,E
46 47	EF-327103	△ FUSE TSC A 250A 0.20A (J)(F6) △ FUSE TSC A 250V 0.50A	112	ET-308977	TR 2SC2274K F
47	EF-32/103	(U,J)(F5)	113 114	ET-328578 ET-200505	TR 2SC2320 E,F TR 2SC2603 E,F
48	EF-306949	△ FUSE TSC A 250V 1.25A	115	ET-200303	TR 2SC2603 E,F TR 2SC2603 F,G
,,	Er Joon	(U,J)(F3,4)	116	ET-308141	TR 2SC2603 F,G TR 2SC2603 G
49	EF-315334	△ FUSE TSC 125V 0.25A (C,A)(F6)	117	ET-639437	TR 2SC945L Q,P
50	EF-309390	△ FUSE TSC 125V 0.50A (C,A)(F5)	118	ET-328437	TR 2SD1012-V F,G
51	EF-309392	△ FUSE TSC 125V 1.25A	119	ET-328868	TR 2SD1012-V G.H
		(C,A)(F3,4)	120	ET-452531	TR 2SD313 E,F
52	EI-337568	HOLE ELEMENT DHD-H070	121	ET-310148	TR 2SD612K E,F
53	EI-337227	IC AN6870N	122	ET-328440	TR 2SD863-V8 E,F
54	EI-330352	IC BA6109	123	EV-315416	R S-FIX H D8 3P 103
5 5	EI-337357	IC HA12020	124	EV-321637	R S-FIX H D8 3P 104
56	EI-322993	IC HD74107P	125	EV-314646	R S-FIX D8 3P 202
57	EI-336761	IC LA6458S	126	EV-315752	R S-FIX H D8 3P 204
58	EI-337013	IC LB1290	127	EV-322416	R S-FIX H D8 3P 303
59 60	EI-337009 EI-337008	IC LC4049 IC LC7800	128	EV-315412	R S-FIX H D8 3P 502
61	EI-337008 EI-312179	IC LM1111B	129	EV-315413	R S-FIX H D8 3P 503
62	EI-337006	IC LM6402H-063	130 131	EV-483388 EV-483377	R S-FIX H SR19R 3P 0.15W 103 R S-FIX H SR19R 3P 0.15W 473
63	EI-337000	IC M5218L0	131	EV-306016	R S-RIX H TM8KV2-1S 3P 0.50W 101
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NO.	PARTS NO.	DESCRIPTION
133	EV-464253	R S-FIX V V8K1-1 3P 202
134	EV-337052	VR ROTARY 16L10×OR B103
135	EV-313538	VR ROTARY 16P20×1B B103
136	EV-337411	VR ROTARY 16P20x2U M503 N503
137	EV-337409	VR ROTARY 16P20x2V A503
138	HE-337372	HEAD E E-3621-PR C
139	HP-H2402A010A	HEAD COMBO PR4-5 C
140	MB-336026	BELT CAPSTAN
141	MB-336021	BELT OPERATION
142	MI-336025	FLYWHEEL (B)
143	MP-336153	PINCH ROLLER (A)
144	MP-336204	PINCH ROLLER (B)
145	TC-336002	HOLDER CAPSTAN (B)
146	TC-B336004A	HOLDER CAPSTAN (C-1) PART
147	TC-336605	WIND IDLER ASSY
		· ·

MECHA BLOCK



1. MECHA BLOCK

REF.	DA DEC NO	DECORDERION
NO.	PARTS NO.	DESCRIPTION
	HEAD BLOCK	
	HEAD BLOCK	WELD DIVIGNOS
1-1x		HEAD BLK GX-F71
1-2	ZG-336127	SP PUSH HEAD PAN20×05STL CMT
1-3 1-4		HEAD COMBO PR4-5 C
1-4		PAN20×03STL CMT
1-6	HZ-336129	GUIDE TAPE
1-7		N20STL CMT 1
1-8	76 22(120	CD DUCH CHIDE
1-9	HZ-336195	HOLDER HEAD E
1-10	HE-337372	HEAD E E-3621-PR C
1-11	ZS-342086	HEAD E E-3621-PR C PLX PAN26×12STL CMT
1-12	ZS-499331	PAN2 3×05STL CMT
1-13	ZG-341972	SP PULL HEAD RETURN
	SW MICRO P.C	BOARD BLOCK
1-14	ES-337344	SW MICRO SS-01-ED UC (SW1)
		IA SIDĒ (L) BLOCK
1-15		PAN20×08STL CMT
1-16		OIL CLUTCH BLK GX-F51
1-17	ZW-270088	RING E 190SUP CMT
	DETECTION D	C BOARD BLOCK
1-18	ET-311977	PHOTO SENSOR SPI-201 (PH1)
1-10	E1-3119//	111010 SENSOR 311-201 (1111)
	SW LEAF BLOO	r k
1-19	ES-336990	SW LEAF BSW-169 01-1 NO
		(SW902,903,904)
	REEL MOTOR	BLOCK
1-20	BM-T2032A060A	▲ REEL MOTOR BLK GX-F71
1-21	BM-B336989	▲ REEL MOTOR (PULLEY) PART
1-22x	EO-669273	COIL FIX 2 FL5R200 18µH (L1,2)
	LEVER BRAKE	
1-23		LEVER BRAKE (A) BLK GX-F51
1-24	TC-336146	BRAKE RUBBER
	LEVER BRAKE	(R) RLOCK
1-25		LEVER BRAKE (B) BLK GX-F51
	DE 12000.11.011	ZZ V ZK BKILLE (Z) ZZ II GIT I I
	D LED BLOCK	
1-26	ED-337010	D LED SLF-201C GRN (D901)
	MECHA BLOCK	
1-27 x	BZ-T2032A050A	MECHA BLK GX-F71
1-28	TC-336605	WIND IDLER ASSY
1-29	ZS-563444	BID26×08STL CMT
1-30	ZG-336140	SP TORSION IDLER
1-31	BR-336606	REEL TABLE ASSY
1-32 1-33	BR-342719 ZG-336141	REEL TABLE (B) ASSY SP PUSH BT
1-33	TC-336141	HOLDER BT SP
1-35	ZW-330073	PW21×040×020
1-36		
1-37	M 1 - 305 793	REEL CAP
	MT-305793 BL-B336196	REEL CAP LEVER BT PART
1-38	BL-B336196	LEVER BT PART
1-38	BL-B336196 ZG-324331	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041
1-38 1-39	BL-B336196 ZG-324331 ZG-312946	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062
1-38 1-39 1-40	BL-B336196 ZG-324331 ZG-312946 ZW-270088	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT
1-38 1-39 1-40 1-41 1-42 1-43	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL
1-38 1-39 1-40 1-41 1-42 1-43	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT
1-38 1-39 1-40 1-41 1-42 1-43 1-44	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T)
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-306464	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31x070x050STL CMT
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47 1-48	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-306464 BL-B336202	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31x070x050STL CMT ARM PINCH ROLLER (B) PART
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47 1-48 1-49 1-50	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-306464 BL-B336202 MP-336204	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31x070x050STL CMT ARM PINCH ROLLER (B) PART PINCH ROLLER (B)
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47 1-48 1-49 1-50 1-51	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-336603 ZW-306464 BL-B336202 MP-336204 HZ-336205	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21×040×013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31×070×050STL CMT ARM PINCH ROLLER (B) PART PINCH ROLLER (B) GUIDE TAPE (B)
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47 1-48 1-49 1-50 1-51	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-306464 BL-B336202 MP-336204 HZ-336205 ZS-608095	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21x040x013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31x070x050STL CMT ARM PINCH ROLLER (B) PART PINCH ROLLER (B) GUIDE TAPE (B) PAN20x05STL CMT
1-38 1-39 1-40 1-41 1-42 1-43 1-44 1-45 1-46 1-47 1-48 1-49 1-50 1-51	BL-B336196 ZG-324331 ZG-312946 ZW-270088 BL-B336150 MP-336153 ZW-381644 ZW-356657 ZG-336175 ZG-321534 ZW-336603 ZW-336603 ZW-306464 BL-B336202 MP-336204 HZ-336205	LEVER BT PART SP T2-3.2/0.2-12.5 T2-041 SP T1-3.2/0.29-16.0 T1-062 RING E 190SUP CMT ARM PINCH ROLLER (A) PART PINCH ROLLER (A) PW21×040×013PSL RING E 150SUP CMT SP PULL PINCH ROLLER (T) SP T2-3.2/0.29-12.5 T2-060 RING GRIP 285SUP ACP PW31×070×050STL CMT ARM PINCH ROLLER (B) PART PINCH ROLLER (B) GUIDE TAPE (B)

REF.

NO. 1-55

1-56

1-57

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1-66

PARTS NO.

ZG-336208

MV-357208

ZG-336157

ZS-342002

ML-336158

ML-336159

ZG-336160

TC-336161

SP-336163

ZG-336615

SZ-336166

BD-B336162A

DESCRIPTION

SP PLATE HEAD HOLD

ST PAN26×16STL CMT

LEVER DETECTION (B)

LEVER DETECTION (A)

BALL200STL

SLIDE EJECT

COLLAR LID

LID CASE

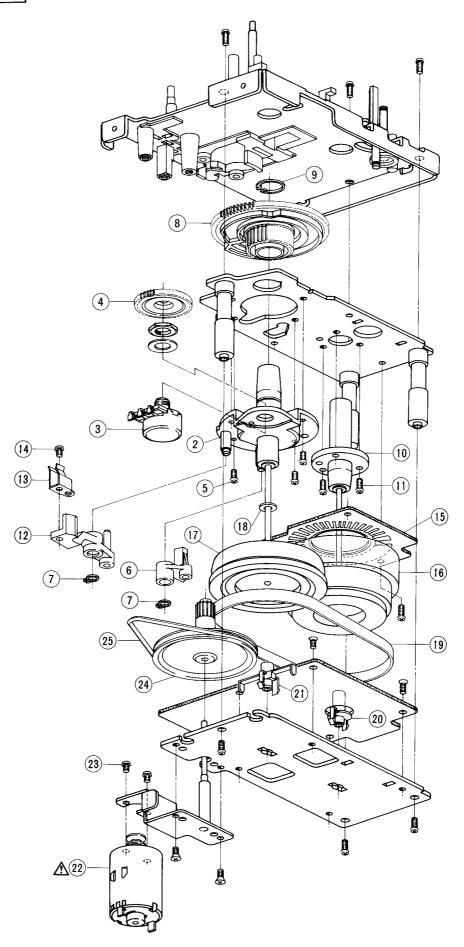
SP PULL PINCH ROLLER (S)

LID DECORATION (A) PART

SP PLATE CASSETTE HOLDER (A)

SP PLATE CASSETTE HOLDER (B)

MOTOR BLOCK



2. MOTOR BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
2-1x	BM-M3104A010A	△ MOTOR BLM-310
2-2	TC-B336004A	HOLDER CAPSTAN (C-1) PART
2-3	EV-337052	VR ROTARY 16L10×OR B103
2-4	MZ-336005	GEAR POTENTION
2-5	ZS-432843	PAN26×04STL CMT
2-6	BL-B336007	LEVER BRAKE CAM PART
2-7	ZW-336603	RING GRIP 285SUP ACP
2-8	MZ-336006	CAM WHEEL
2-9	ZW-336604	RING S839SUP ACP
2-10	TC-336002	HOLDER CAPSTAN (B)
2-11	ZS-479474	PAN26×05STL CMT
_	DE DODGGG	
2-13	ZG-336011	SP PLATE CAM LEVER
2-14	ZS-477876	PAN20×03STL CMT
2-15	EA-336012	PC FG
2-16	BF-B336024	FLYWHEEL (A) PART
2-17	MI-336025	FLYWHEEL (B)
2-18	ZW-309295	THRUST WASHER
2-19	MB-336026	BELT CAPSTAN
2-20	TC-336016	HOLDER THRUST (A)
2-21	TC-336027	HOLDER THRUST (B)
2-22	BM-B337064	△ MOTOR OPERATION
		(PULLEY) PART
2-23	ZS-477876	PAN20×03STL CMT
2-24	MR-336019	PULLEY OPERATE
2-25	MB-336021	BELT OPERATION

3. PRE AMP P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
	-T2032A030A	PC PRE AMP BLK GX-F71(U)	3-VR7	EV-483377	R S-FIX H SR19R 3P 0.15W 473
		(U,J,C,A)	3-VR8	EV-315412	R S-FIX H D8 3P 502
3-2 BA	-T2032A030B	PC PRE AMP BLK GX-F71(E)	3-VR9 3-VR10	EV-314646 EV-313538	R S-FIX H D8 3P 202 VR ROTARY 16P20×1B B103
3-3 BA	-T2032A030C	(E,B,S,V) PC PRE AMP BLK GX-F71-P(U)	3-V R 1 1	EV-315358 EV-315412	R S-FIX H D8 3P 502
3-3 BA	-12032A030C	(U,J,C,A)	3-VR12,13	EV-315416	R S-FIX H D8 3P 103
3-4 BA	-T2032A030D	PC PRE AMP BLK GX-F71-P(E)	3-FL1	EO-336738	COIL TUN 1 102AK-004 19.8KHZ
		(E,B,S,V)	3-FL2	ER-336776	FILTER DB D07003K 100KHZ
			3-FL3	ER-336775	FILTER DB D07001K 19KHZ
2.101	PRE AMP P.C I		3-FL4	ER-336776	FILTER DB D07003K 100KHZ COIL TUN 1 102AK-004 19.8KHZ
3-IC1 3-IC2to5	EI-337025 EI-312179	IC NJM4562D IC LM1111B	3-FL5 3-R21	EO-336738 ER-314597	R MF H 1/4W 1302F
3-IC2103 3-IC6	EI-336761	IC LA6458S	3-R21	ER-338108	R MF H 1/4W 4421F
3-IC7	EI-337228	IC M5218L0	3-R41	ER-314597	R MF H 1/4W 1302F
3-IC8	EI-307644	IC NJM4556D	3-R79	ER-314597	R MF H 1/4W 1302F
3-IC9	EI-336761	IC LA6458S	3-R87	ER-314597	R MF H 1/4W 1302F
3-IC10	EI-337228	IC M5218L0	3-R88	ER-338108	R MF H 1/4W 4421F
3-IC11	EI-213390	IC NJM4558D	3-C3 3-C5	EC-337261 EC-306438	C EC V F05 NP NXA 1R0M 50DC C STY V F05 500 101J 50DC
3-IC12 3-IC13	EI-336761 EI-634140	IC LA6458S IC SN74107N	3-C9	EC-300438 EC-337002	C EC V F05 NP NXA 100M 16DC
3-TR1to7	ET-200505	TR 2SC2603 E,F	3-C10	EC-331183	C STY V SNP CQFS 102J 50DC
3-TR8	ET-337233	TR 2SA995 F,G	3-C11	EC-331183	C STY V SNP CQFS 102J 50DC
3-TR9	ET-337234	TR FET 2SK270 GR,BL	3-C12	EC-327097	C STY V F05 CQ09S 102J 50DC
3-TR10	ET-337258	TR 2SC1843 E,F	3-C14	EC-337262	C EC V F05 NP NXA 4R7M 16DC
3-TR11	ET-337967	TR 2SA990 E,F	3-C16	EC-200948	C EC V F05 NP SM 1R0M 50DC
3-TR12	ET-337258	TR 2SC1843 E,F	3-C26	EC-337262	C EC V F05 NP NXA 4R7M 16DC C STY V SNP CQFS 102J 50DC
3-TR13,14 3-TR15	ET-328578 ET-337968	TR 2SC2320 E,F TR 2SA999 E,F	3-C27 3-C28.29	EC-331183 EC-327097	C STY V F05 CQ09S 102J 50DC
3-1 K 15 3-T R 16	ET-328437	A TR 2SD1012-V F,G	3-C40	EC-327097 EC-337966	C PP V APS 103J 100DC
3-TR17	ET-328438	△ TR 2SB808-V F,G	3-C41	EC-337980	C PP V APS 512J 100DC
3-TR18	ET-328578	TR 2SC2320 E,F	3-C46	EC-337261	C EC V F05 NXA 1R0M 50DC
3-TR19to2	5 ET-200505	TR 2SC2603 E,F	3-C47	EC-337981	C PP V APS 562J 100DC
3-TR26	ET-337235	TR FET 2SK170 BL,V	3-C49	EC-314990	C STY V SNP CQFS 101J 50DC
3-TR27	ET-200505	TR 2SC2603 E,F	3-C52	EC-327097	C STY V F05 CQ09S 102J 50DC
3-TR28	ET-337235 ET-200505	TR FET 2SK170 BL,V TR 2SC2603 E,F	3-C53 3-C55	EC-337002 EC-327097	C EC V F05 NP NXA 100M 16DC C STY V F05 CQ09S 102J 50DC
3-TR29,30 3-TR1	ET-321016	TR FET 2SK117 GR,BL	3-C56	EC-327097 EC-337262	C EC V F05 NP NXA 4R7M 16DC
3-TR32	ET-200505	TR 2SC2603 E,F	3-C57	EC-327097	C STY V F05 CQ09S 102J 50DC
3-TR33	ET-200558	TR 2SA1115 E,F	3-C66	EC-337262	C EC V F05 NP NXA 4R7M 16DC
3-TR34to3	6 ET-200505	TR 2SC2603 E,F	3-C67	EC-331183	C STY V SNP CQFS 102J 50DC
3-TR37	ET-308141	TR 2SC2603 G	3-C68,69	EC-327097	C STY V F05 CQ09S 102J 50DC
3-TR38,39	ET-200505	TR 2SC2603 E,F	3-C72	EC-200948	C EC V F05 NP SM 1R0M 50DC
3-TR40,41	ET-200558 4 ET-200505	TR 2SA1115 E,F TR 2SC2603 E,F	3-C84 3-C86	EC-306419 EC-332052	C STY V F05 500 681J 50DC C EC V F05 NP SM 4R7M 35DC
3-TR42104	ET-200558	TR 2SC2003 E,F TR 2SA1115 E,F	3-C89	EC-306987	C STY V F05 500 471J 50DC
, ,	ET-200505	TR 2SC2603 E,F	3-C90	EC-337262	C EC V F05 NP NXA 4R7M 16DC
3-TR51	ET-200558	TR 2SA1115 E,F	3-C92	EC-307793	C EC V F05 NP SM 220M 10DC
3-TR52	ET-200505	TR 2SC2603 E,F	3-C99	EC-307684	C EC V F05 NP SM R47M 50DC
3-TR53	ET-200558	TR 2SA1115 E,F	3-C114	EC-637143	C MC V FM 7R00D 500DC
3-D1	ED-308952	D GERMA V 1K34A-LR F07	3-C115	EC-333971	C EC V F05 NP SM 2R2M 50DC
3-D2,3 3-D4	ED-200468 ED-308952	D SILICON V DS448-VB6 D GERMA V 1K34A-LR F07		PHONE JACK	P C ROARD
3-D5to7	ED-300952 ED-200468	D SILICON V DS448-VB6	3-J24	EJ-336885	PHONE J 3P HLJ0607-023 6.3
3-D8,9	ED-322982	D GERMA V 1S188FM-1-LR F07	3-J24	EJ-336886	PHONE J 3P HLJ0607-020 6.3(P)
3-D10to23	ED-200468	D SILICON V DS448-VB6			
3-D24,25	ED-330622	D SILICON 1SR35-100VL			
2 D27	ED 225250	100/1.0A D ZENER V HZ6A-3S1			
3-D26 3-D27	ED-337259 ED-200468	D SILICON V DS448-VB6			
3-D28	ED-337260	D ZENER V HZ7B-2S1			
3-D29to32	ED-200468	D SILICON V DS448-VB6			
3-J23	EJ-337354	PIN J P 4P (U,J,C,A)			
3-J23	BJ-337352	JACK PLATE GX-F71 (E,B,S,V)			
3-SW1	ES-283072	SW SLIDE SSC22LP 2-02-02N (E,B,S,V)			
3-SW2	ES-337257	SW PUSH SUN312A 3-THROW			
3-VR1	EV-321637	R S-FIX H D8 3P 104			
3-VR2	EV-337411	VR ROTARY 16P20x2U M503			
3-VR3	EV-337409	N503 VR ROTARY 16P20×2V A503			
3-V R 3 3-V R 4	EV-337409 EV-314646	R S-FIX H D8 3P 202			
3-VR5	EV-306016	R S-FIX H TM8KV2-1S 3P 0.50W			
		101			
3-VR6	EV-483388	R S-FIX H SR19R 3P 0.15W 103			

4. SYS. CON. P.C BOARD BLOCK

NO.	PARTS NO.	DESCRIPTION
4-1	BA-T2032A090A	PC SYS CON BLK GX-F71(U)
4-2	BA-T2032A090B	PC SYS CON BLK GX-F71(J)
4-3	BA-T2032A090C	PC SYS CON BLK GX-F71(C)
		(C,A)
4-4	BA-T2032A090D	PC SYS CON BLK GX-F71(E)
		(E,V)
4-5	BA-T2032A090E	PC SYS CON BLK GX-F71(B)
		(B,S)

4-5	BA-T2032A090E	PC SYS CON BLK GX-F71(B) (B,S)
	SYS, CON. P.C	BOARD
4-IC1	EI-336994	IC M5230L
4-IC2	EI-336992	ΙC μPC 1043
4-IC3,4	E1-337008	IC LC7800
	EI-337008 EI-337013	
4-IC5,6		IC LB1290
4-IC7	EI-337009	IC LC4049
4-IC8	EI-337006	IC LM6402H-063
4-IC9	EI-336761	IC LA6458S
4-IC10	EI-330352	IC BA6109
4-TR2	ET-639437	TR 2SC945L Q,P
4-TR4	ET-639437	TR 2SC945L Q,P
4-TR5	ET-328440	△ TR 2SD863-V8 E,F
4-TR6	ET-322598	△ TR 2SB632K E,F
4-TR7	ET-310148	⚠ TR 2SD612K E,F
4-TR8,9	ET-200505	TR 2SC2603 E,F
4-TR10te	14 ET-328868	TR 2SD1012-V G,H
4-TR15	ET-200505	TR 2SC2603 E,F
4-TR16,1		TR 2SB808-V G,H
4-TR18	ET-452531	△ TR 2SD313 E,F
4-TR19,2		TR 2SD1012-V G,H
,	25 ET-200505	TR 2SC2603 E,F
4-TR26	ET-639437	∆ TR 2SC945L Q,P
4-TR27	ET-554657	TR 2SA733A P,Q
4-TR28	ET-639437	Δ TR 2SC945L Q,P
4-TR29		TR 2SC2603 E,F
4-1 R29 4-TR30	ET-200505	· · · · · · · · · · · · · · · · · · ·
	ET-554657	TR 2SA733A P,Q
4-TR31,3		TR 2SB808-V G,H
4-TR33	ET-200505	TR 2SC2603 E,F
4-TR34	ET-639437	TR 2SC945L Q,P
4-D1,2	ED-306109	△ D SILICON W03B 100/1.0A
4-D3,4	ED-330622	△ D SILICON 1SR35-100VL
4.5.5	DD 44544	100/1.0A
4-D5	ED-337265	D ZENER H HZ6C-2
4-D6	ED-338316	D ZENER V HZ22-1S1
4-D7	ED-330987	△ D SILICON RB152 200/1.5A
4-D8	ED-200468	D SILICON V DS448-VB6
4-D9	ED-302295	D ZENER H HZ7 C3
4-D10to1		D SILICON V DS448-VB6
4-D14	ED-200468	D SILICON V DS448-VB6
4-D15	ED-337266	D ZENER H HZ9A-1
4-D16,17		D ZENER H HZ5A-1
4-D18	ED-200468	D SILICON V DS448-VB6
4-D20	ED-330622	D SILICON 1SR35-100VL
		100/1.0A
4-D21	ED-306014	D ZENER H HZ9 C3
4-J25	EJ-337654	DIN J UC-0044 P 8P
4-SW1	ES-312234	∆ SW PUSH SDL-1P 01-1 E (U,E,B,S,V)
4-SW1	ES-312235	∆ SW PUSH SDL-1P 01-1 J (J)
4-SW1	ES-312238	△ SW PUSH SDL-1P 01-1 UC
		(C,A)
4-VR1	EV-315413	R S-FIX H D8 3P 503
4-VS1	EJ-283140	△ SOCKET SELECTER X-17238 6P (U)
4-X1	EC-337017	OSC CE CSB800A 0.8MHZ
4-SR1	ER-337631	R COMP 01-0449
4-SR2	ER-337374	R COMP 01-0400
4-SR3	ER-337376	R COMP 01-0399
4-SR4	EC-338341	C COMP 05-0034
4-R1	ER-669330	△ R CB H FS RDS 1/2W 102J
4-R3	ER-304667	△ R CB H FS RDS 1/2W 272J
4-R9	ER-337303	△ R CB H FS RDS 1/2W 472J
4-R14	FR-658034	A ROMEHES 2W 2211

4-R14

4-R124

4-R125

ER-658034

ER-337251

ER-337253

A R OMF H F5 2w 22... R MF H F10 1/4W 1820F ⚠ ROMFHFS 2W 221J

R MF H F10 1/4W 1331F

REF. NO.	PARTS NO.	DESCRIPTION
4-R126	ER-337254	R MF H F10 1/4W 2261F
4-R127	ER-337255	R MF H F10 1/4W 2871F
4-R128	ER-337256	R MF H F10 1/4W 5361F
4-C1	EC-338396	△ C MMY V ECQEW 473M
		250AC (U)
4-C1	EC-338400	△ C MMY V ECQ-E 473M
		125DC (J)
4-C1	EC-338397	△ C MMY V ECQUE 223M
		125AC (C,A)
4-C1	EC-338399	△ C MMY V ECQUF 223M
		250AC (E,B,S,V)
	SW P.C BOARD	•
4-SW1	ES-337196	SW ROTARY SBM1024N
, 5,, 1	1.5 55/170	2-02-04N
4-SW2	ES-337197	SW ROTARY SBM1023N
47-13 VV Z	E3-33/19/	
		2-02-03N

5. TUNING P.C BOARD BLOCK

J. TOME	IG I.C DOA	KD BLOCK
REF. NO.	PARTS NO.	DESCRIPTION
5-1 BA-	T2032A120A	PC TUNING BLK GX-F71
5-IC1	EI-337367	IC M58841-600P
5-IC2	EI-337013	IC LB1290
5-IC3	EI-337357	IC HA12020
5-IC4	EI-337228	IC M5218L0
5-IC5,6	EI-337237	ΙC μΡD4050
5-IC7to9	EI-336761	IC LA6458S
5-TR1,2	ET-200985	TR 2SC2603 F,G
5-TR3	ET-328437	TR 2SD1012-V F,G
5-TR4to10	ET-200985	TR 2SC2603 F,G
5-TR11	ET-375603	∆ TR 2SC1061 B,C
5-TR12to18		TR 2SC2603 F,G
5-TR19	ET-310148	Δ TR 2SD612K E,F
5-TR20to26		TR 2SC2603 F,G
5-TR27	ET-310148	△ TR 2SD612K E,F
5-TR28,29	ET-200985	TR 2SC2603 F,G
5-TR30to33		TR 2SC2274K F
5-TR34to41		TR 2SC2603 F,G
5-TR42to45		TR 2SA1115 E,F
5-TR46	ET-200985	TR 2SC2603 F,G
5-TR47to49		TR 2SC2603 E,F
5-D1	ED-200468	D SILICON V DS448-VB6
5-D2to7	ED-301911	D SILICON H DS448
5-D8to13	ED-200468	D SILICON V DS448-VB6
5-VR1	EV-322416	R S-FIX H D8 3P 303
5-VR2	EV-315413	R S-FIX H D8 3P 503
5-VR3	EV-322416	R S-FIX H D8 3P 303
5-VR4,5	EV-315752	R S-FIX H D8 3P 204
5-VR6	EV-321637	R S-FIX H D8 3P 104
5-L1	EO-302464	COIL FIX 1 RX9P-333J
		33.00MH J
5-T1,2	EO-337343	COIL OSC 1 2325-267 100MHZ
5-FL1	EO-315758	COIL TUN 1 100S-431 100KHZ
5-X 1	EC-337366	OSC CE CSB-600C 600 KHZ
5-PH1	ET-337359	PHOTO SENSOR MCD-7213P
5-VC1	EC-300034	C S-FIX H ECR-CA100H12
		9.0-100
5-FR1to4	ER-318647	△ R FUSE ERD2FC F10 1/4W 4R7J
5-C22	EC-332052	C EC V F05 NP SM 4R7M 35DC
5-C23	EC-317623	C STY V F05 500 102J 50DC
5-C37	EC-337249	C PP V F10 ECQ-F 222J 630DC
5-C39	EC-341496	C PP V APS 682J 100DC
5-C43	EC-306419	C STY V F05 500 681J 50DC
5-C44	EC-337250	C PP V F10 ECQ-F 102J 630DC
5-C46	EC-306419	C STY V F05 500 681J 50DC
5-C51	EC-305680	C STY V F05 500 151J 50DC
5-C66	EC-306987	C STY V F05 500 471J 50DC
5-C67	EC-316150	C STY V F05 500 821J 50DC

6. METER P.C BOARD BLOCK

REF. NO.	PARTS NO.	DESCRIPTION
6-IC1	EI-337227	IC AN6870N
6-D1,2	ED-337195	D LED SY403DA YLW
6-D3	ED-337016	D LED SG203DA GRN
6-D4	ED-337014	D LED SR503D RED
6-D5	ED-337239	D LED SLP-262B GRN
6-D6	ED-337238	D LED SLP-162B RED
6-D7to10	ED-338229	D SILICON H DS448FB4 F12
6-IN1	EM-337221	IND FL FIP54AW11Y DOUBLE
6-SW1to17	ES-336780	SW TACT KHH10902

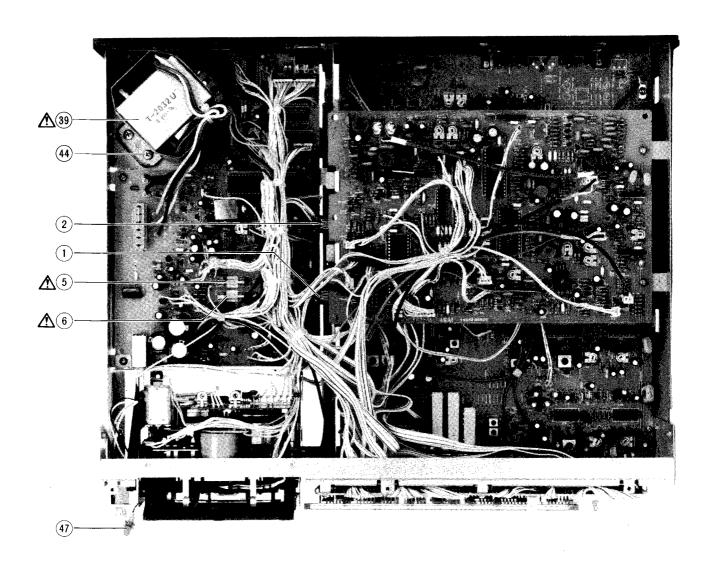
7. MOTOR P.C BOARD BLOCK

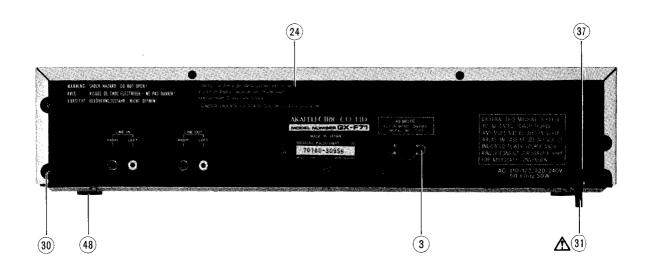
REF. NO.	PARTS NO.	DESCRIPTION
7-IC1	EI-201940	IC NJM4558S
7-IC3	EI-337568	HOLE ELEMENT DHD-H070
7-IC4	EI-337568	HOLE ELEMENT DHD-H070
7-TR1	ET-337011	TR 2SC2274K D,E
7-TR2	ET-337012	TR 2SA984K D,E
7-TR3	ET-337011	TR 2SC2274K D,E
7-TR4	ET-337012	TR 2SA984K D,E
7-D5	ED-338561	D ZENER H HZ2 F10 B2
7-VR1,2	EV-464253	R S-FIX V V8K1-1 3P 202

8. ASSEMBLY BLOCK

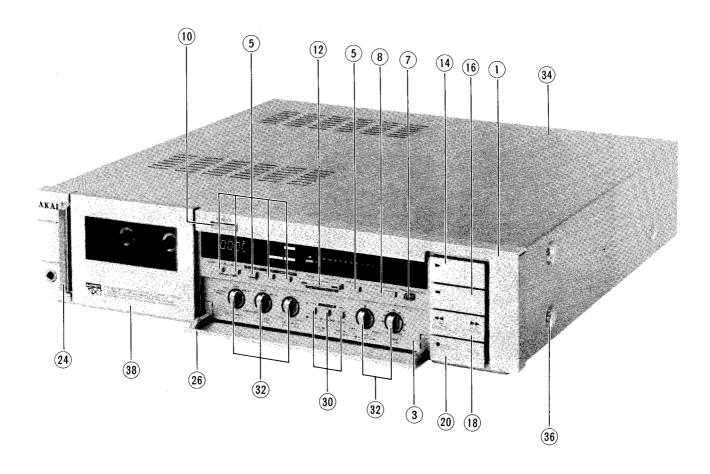
REF. NO.	PARTS NO.	DESCRIPTION
	CHASSIS (C) E	BLOCK
8-1	ET-310148	TR 2SD612K E,F (TR1)
8-2	ET-322598	TR 2SB632K E,F (TR2)
0.2	L1-322370	1 K 25D052 K E,1 (1 K2)
	ASSEMBLY B	LOCK
0.3		
8-3	ZW-698308	RV NYL30x055 BL
8-4x	EF-327103	⚠ FUSE TSC A 250V 0.50A(F2)(U)
8-5	EF-306949	⚠ FUSE TSC A 250V 1.25A(F3)(U)
8-6	EF-306949	△ FUSE TSC A 250V 1.25A(F4)(U)
8-7 x	EF-327103	△ FUSE TSC A 250V 0.50A(F5)(U)
8-8x	EF-327103	△ FUSE TSC A 250V 0.50A(F2)(J)
8-9x	EF-306949	△ FUSE TSC A 250V 1.25A(F3)(J)
	EF-306949	
8-10x		★ FUSE TSC A 250V 1.25A(F4)(J)
8-11x	EF-327103	△ FUSE TSC A 250V 0.50A(F5)(J)
8-12x	EF-308933	\triangle FUSE TSC A 250V 0.20A(F6)(J)
8-13x	EF-309390	△ FUSE TSC 125V 0.50A(F2)(C,A)
8-14x	EF-309392	△ FUSE TSC 125V 1.25A(F3)(C,A)
8-15x	EF-309392	★ FUSE TSC 125V 1.25A(F4)(C,A)
8-16x	EF-309390	△ FUSE TSC 125V 0.50A(F5)(C,A)
	EF-315334	
8-17x		△ FUSE TSC 125V 0.25A(F6)(C,A)
8-18x	EF-695766	⚠ FUSE SEMKO T 250V 0.31A
		(F1)(B,S)
8-19x	EF-593706	⚠ FUSE SEMKO T 250V 0.50A
		(F2)(E,B,S,V)
8-20x	EF-602550	△ FUSE SEMKO T 250V 1.25A
0 20.1	21 002000	(F3)(E,B,S,V)
8-21x	EF-602550	△ FUSE SEMKO T 250V 1.25A
0-21X	EF-002330	_
		(F4)(E,B,S,V)
8-22x	EF-593706	△ FUSE SEMKO T 250V 0.50A
		(F5)(E,B,S,V)
8-23x	EF-300588	⚠ FUSE EAWK T 250V 0.20A
		(F6)(E,V)
8-24	SP-336213A	PANEL REAR GX-F71(U) AS
8-25x	SP-336213B	PANEL REAR GX-F71 (J) AS
8-26x	SP-336213F	PANEL REAR GX-F71 (C) AS
		, ,
8-27x	SP-336213C	PANEL REAR GX-F71 (A) AS
8-28x	SP-336213D	PANEL REAR GX-F71 (E,V) AS
8-29x	SP-336213E	PANEL REAR GX-F71 (B,S) AS
8-30	ZS-447761	T2BR30×06STL BNI
8-31	EW-306428	△ AC CORD 2 CORES KP-205A,
		VFF J (U)
8-32x	EW-306427	△ AC CORD 2 CORES KP-211,
0 J2x	211 300 121	VFF J (J)
0.22	EW 205(01	` ,
8-33x	EW-305691	△ AC CORD 2 CORES KP-8,
		SPT-1 UC (C,A)
8-34x	EW-313882	△ AC CORD 2 CORES KP-419C,
		LTCE-2F E (E,V)
8-35x	EW-313884	▲ AC CORD 2 CORES GTBS-2F
		24/0.20×2 B (B)
8-36x	EW-201515	△ AC CORD 2 CORES KP-560,
0-30X	EW 201515	LTSA-2FS (S)
0.25	07 (21045	` ,
8-37	SZ-631945	STRAIN RELIEF SR-4N-4
		(U,J,C,A,E,S,V)
8-38x	EJ-692908	STRAIN RELIEF SR-5N-4 (B)
8-39	BT-337222	▲ TRANS POWER T-2032 (U)
8-40x	BT-337223	△ TRANS POWER T-2032 (J)
8-41x	BT-337224	△ TRANS POWER T-2032 (A,C)
8-42x	BT-337225	△ TRANS POWER T-2032 (E,V)
8-43x	BT-337226	△ TRANS POWER T-2032 (B,S)
8-44	ZS-301398	ST BID40×08STL CMT
8-45x	SP-336215	COVER BOTTOM
8-46x	ZS-325495	T2BR30×06STL CMT
8-47	EL-337053	PL CORD 16.0V 80MA 400/400
8-48	SA-336217	FOOT
8-49x	SW-305013	RV POP32 (A)
O TAX	54 505015	

ASSEMBLY BLOCK





FINAL ASSEMBLY BLOCK



9. FINAL ASSEMBLY BLOCK

REF. NO.	PARTS NO.	DESCRIPTION	REF. NO.	PARTS NO.	DESCRIPTION
	FRONT PANEL	. BLOCK	9-21x	BD-B336244B	KNOB OPERATE (D)-P PART
9-1	SP-336223A	PANEL FRONT	9-22x	SP-336236C	PANEL SUB (B-2)
9-2x	SP-336223B	PANEL FRONT-P	9-23x	SP-336236D	PANEL SUB (B-2)-P
9-3	BD-B336224A	PANEL SUB (C) PART	9-24	SK-336251	KNOB POWER
9-4x	BD-B336224B	PANEL SUB (C)-P PART	9-25x	SK-336252	KNOB SPACER
9-5	SK-336237A	KNOB (A-1)	9-26	BD-T2032A150A	PANEL DOOR BLK GX-F71
9-6x	SK-336237C	KNOB (A)-P	9-27x	BD-T2032A150B	PANEL DOOR BLK GX-F71-P
9-7	SK-336237B	KNOB (A-2)	9-28x	TC-336228A	HINGE
9-8	SK-336239A	KNOB (B)	9-29x	TC-336228B	HINGE-P
9-9x	SK-336239B	KNOB (B)-P			
9-10	SK-336240A	KNOB (C)		FINAL ASSEM	BLY BLOCK
9-11x	SK-336240B	KNOB (C)-P	9-30	SK-336230A	KNOB PUSH
9-12	SK-B336232A	KNOB CAP SEESAW PART	9-31x	SK-336230B	KNOB PUSH-P
9-13x	SK-B336232B	KNOB CAP SEESAW-P PART	9-32	SK-336229A	KNOB ROTARY
9-14	SK-B336241A	KNOB OPERATE (A) PART	9-33x	SK-336229B	KNOB ROTARY-P
9-15x	SK-B336241B	KNOB OPERATE (A)-P PART	9-34	SP-336233A	COVER UPPER
9-16	SK-B336242A	KNOB OPERATE (B) PART	9-35x	SP-336233B	COVER UPPER-P
9-17x	SK-B336242B	KNOB OPERATE (B)-P PART	9-36	ZS-322570	ST BID40×08STL NI3
9-18	SK-B336243A	KNOB OPERATE (C-1) PART	9-37x	ZS-322580	ST BID40×08STL BNI
9-19x	SK-B336243B	KNOB OPERATE (C-1)-P PART	9-38	BD-B336235A2	LID PANEL PART
9-20	SK-B336244A	KNOB OPERATE (D) PART	9-39x	BD-B336235B2	LID PANEL-P PART

1. MODEL GX-F31

T. MODEL G				T			
PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.
BA-T2029A030A	3-1	EF-306949	7-29	ET-200505	3-TR30	SK-336240A	8-8
BA-T2029A030B		EF-309390	7-31x	ET-200505	3-TR 34	SK-336240B	8-9x
BA-T2029A030C		EF-309390	7-32 x	ET-200505	3-TR37	SK-336251	8-20
BA-T2029A030D		EF-309392	7-34x	ET-200505	3-TR40	SK-336252	8-21x
BA-T2029A040A		EF-309392	7-33x	ET-200505	4-TR9to17	SP-336163	1-51
BA-T2029A040B	4-2	EF-327103	7-28	ET-200505	4-TR24to27	SP-336188C	8-1
BA-T2029A040C		EF-327103	7-27	ET-200505	4-TR29	SP-336188D	8-2 x
BA-T2029A040D		EF-330462	7-35x	ET-200558	3-TR7,8	SP-336190F	7-16
BA-T2029A040E							
		EF-593706	7-37x	ET-308976	3-TR29	SP-336190G	7-17x
BD-B336134A	8-3	EF-593706	7-38x	ET-308976	4-TR4	SP-336190H	7-18x
DD D0041040		T T	= 40				
BD-B336134B	8-4x	EF-602550	7-40x	ET-308976	4-TR8	SP-336190J	7-20x
BD-B336162B	1-50	EF-602550	7-39x	ET-309353	3-TR33	SP-336190K	7-21x
BD-B336235A	8-30	EF-623103	7-36x	ET-310148	4-TR2,3	SP-336190M	7-19x
BD-B336235B	8-31x	EI-200938	3-IC1	ET-310148	4-TR6	SP-336191A	8-24
BD-B336244B	8-17	EI-201940	6-IC1,2	ET-310833	3-TR31,32	SP-336191B	8-25x
BF-B336013	2-16	EI-315799	5-IC1,2	ET-311977	1-17	SP-336236A	8-18x
BH-T2029A070A		EI-330352	4-IC8				
				ET-318239	4-TR5	SP-336236B	8-19x
BL-B336007	2-6	EI-336761	3-IC4	ET-321016	3-TR36	SZ-336166	1-53
BL-B336009	2-12	EI-336761	3-IC7	ET-322598	3-TR28	SZ-631945	7-13
BL-B336150	1-35	EI-336761	3-IC8	ET-322598	4-TR1	TC-336002	2-10
D							
BL-T2030A160A		EI-336761	4-IC7	ET-328437	3-TR38	TC-336004B	2-2
BL-T2030A170A	1-24	EI-336983	3-IC2	ET-328438	3-TR39	TC-336016	2-17
BM-B336989	1-20	EI-336992	4-IC9	ET-328868	3-TR17	TC-336142	1-31
BM-B337064	2-18	EI-336994	4-IC10	ET-328868	3-TR19to21	TC-336146	1-23
BM-M3103A010A		EI-337006	4-IC1	ET-328868	4-TR22,23	TC-336161	1-48
BM-M3103A010A		EI-337008	4-IC4,5	ET-331279			
					3-TR18	TC-336605	1-27
BR-336606	1-29	EI-337009	4-IC6	ET-336997	4-TR18to21	ZG-312946	1-34
BT-337244	7-1	EI-337013	4-IC2,3	ET-337011	6-TR1	ZG-321534	1-41
BT-337245	7-2 x	EI-337013	5-IC 3	ET-337011	6-TR3	ZG-336011	2-13
BT-337246	7-3x	EI-337228	3-IC3	ET-337012	6-TR2	ZG-336127	1-2
BT-337247	7-4x	EI-337568	6-IC3,4	ET-337012	6-TR4	ZG-336130	1-8
BT-337248	7-5 x	EI-338392	3-IC6	ET-452531	4-TR7	ZG-336140	1-28
BZ-T2029A080A	1-26x	EJ-283140	4-VS1	ET-554657	4-TR30	ZG-336141	1-30
BZ-T2030A110A	1-15	EJ-332435	3-J2	EV-315412	3-V R 9	ZG-336157	1-43
EA-336012	2-15	EJ-332437	3-J2	EV-315413	3-VR5	ZG-336160	1-47
EC-270483	3-C93,94	EJ-336885	3-J2 3-J3	EV-315413 EV-315414	3-VR4	ZG-336615	1-52
EC-306017	3-C98						
		EJ-336886	3-J3	EV-315416	3-VR10	ZG-341972	1-12
EC-306986	4-C4	EJ-337024	3-J1	EV-315416	3-VR6	ZG-342575	1-40
EC-308877	3-C81	EJ-337027	3-J1	EV-315416	3-V R 8	ZS-301398	7-6x
EC-313532	3-C4	EJ-337654	4-J1	EV-336785	3-VR11,12	ZS-310337	1-14
FG 214005	2.055						
EC-314992	3-C75	EJ-692908	7-14x	EV-337028	3-V R 2	ZS-341959	8-26
EC-315335	3-C77	EL-337053	7-15	EV-337029	3-V R I	ZS-341960	8-27x
EC-331410	4-C8	EM-336988	5-IN 1	EV-337030	3-VR3	ZS-342002	1-44
EC-331631	3-C63	EO-315758	3-FL5,6	EV-337052	2-3	ZS-432843	2-5
EC-337005	3-C92	EO-337044	3-FL1	EV-464220	4-VR1	ZS-463353	7-22
EC-337017	4-X1	EO-337044 EO-337046	3-T L 1			·	
EC-338042	3-C65			EV-464253	6-VR1,2	ZS-463353	7-24
		EO-337055	3-FL2	EW-201515	7-12x	ZS-465298	1-10
EC-338341	4-CR1	EO-669273	1-21x	EW-305691	7-9x	ZS-477876	1-5
EC-338396	4-C8	EO-669273	3-L1	EW-306427	7-8x	ZS-477876	2-14
EC-338400	4-C8	EP-322437	3-RL1	EW-306428	7-7	ZS-477876	2-19
EC 339410	1.09	ED 2055/5	3 ED 1 2	EW 2: 200-	7. 10	70 480 484	2.11
EC-338419	4-C8	ER-307565	3-FR1,2	EW-313882	7-10x	ZS-479474	2-11
ED-200468	3-D14	ER-313699	4-R22	EW-313884	7-11x	ZS-608106	1-3
ED-200468	4-D9,10	ER-325270	4-R7,8	HE-337047	1-9	ZW-231030	7-23
ED-200468	4-D14	ER-336775	3-FL4	HP-H2201A010A	1-4	ZW-270088	1-16
ED-200468	4-D17,18	ER-336776	3-FL3	HZ-336129	1-6	ZW-270088	1-39
ED-200469	5-D1	ER-337283	4-R5	HZ-336131	1-11	ZW-305013	7-25x
ED-200469	5-D3	ER-337284	4-R6	MB-336021	2-21	ZW-303013 ZW-330073	1-32
ED-200409 ED-301911	3-D3 3-D4		4-R6 4-FR2				
		ER-337287		ML-336158	1-45	ZW-336603	1-49
ED-301911	3-D6to11	ER-337374	4-CR2	ML-336159	1-46	ZW-336603	2-7
ED-301911	3-D13	ER-337376	4-CR3	MP-336153	1-36	ZW-336604	2-9
ED-301911	3-D16to21	ED 227421	4-CR4	MD 226010	2.20	7W 25//55	1 20
		ER-337631		MR-336019	2-20	ZW-356657	1-38
ED-301911	3-D23	ER-338231	4-R55	MT-305793	1-33	ZW-381644	1-37
ED-306109	4-D20	ER-338232	4-R56	MV-357208	1-42	ZW-618884	1-7
ED-306109	3-D2 to 5	ER-338233	4-R57	MZ-336005	2-4		
ED-316143	6-D1to4	ER-338234	4-R58	MZ-336006	2-8		
ED-322238	4-D1	ER-338235	4-R59	SA-336217	7-26		
ED-322982	3-D3	ES-312234	4-SW1	SK-B336241A	8-10		
ED-337010	1-25	ES-312235	4-SW1	SK-B336241B	8-11x		
ED-337014	5-D2	ES-312233 ES-312238	4-SW1	SK-B336241B	8-11x 8-12		
ED-337014	5-D4	ES-312238 ES-336780	5-SW1to9	SK-B336242A SK-B336242B	8-12 8-13x		
İ				311 23002 TED			
ED-337019	4-D7	ES-336990	1-18	SK-B336243C	8-14		
ED-337019	4-D22	ES-337043	4-SW1	SK-B336243D	8-15x		
ED-337289	4-D12	ES-337043	4-SW2	SK-B336244A	8-16		
	3-D2						
L ED-337292		ES-337045	3-SW1	SK-336229A	8-28		
ED-337292		ES-337344	1-13	SK-336229B	8-29x		
ED-338403	4-D8				8-22		
ED-338403 ED-338412	4-D6	ET-200505	3-TR2	SK-336230A			
ED-338403 ED-338412 ED-338413	4-D6 3-D22	ET-200505 ET-200505	3-TR4	SK-336230A SK-336230B	8-23x		
ED-338403 ED-338412 ED-338413 ED-338561	4-D6	ET-200505					
ED-338403 ED-338412 ED-338413	4-D6 3-D22	ET-200505 ET-200505 ET-200505	3-TR4 3-TR6	SK-336230B SK-336237A	8-23x 8-5		
ED-338403 ED-338412 ED-338413 ED-338561	4-D6 3-D22 6-D5	ET-200505 ET-200505	3-TR4	SK-336230B	8-23x		

2. MODEL GX-F51

FARTS NO. REF. NO. PARTS NO. REF. NO. RATTS NO. REF. NO.	2. MODEL G.	X-1 3 1						
BAT-2000A00B 32	PARTS NO	REE NO	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO
BA-T200A03008 3-2								
BAT7209A0900C 3-3							HZ-336129	1-6
BA-7200A0490D 3-4	BA-T2030A030B	3-2	ED-337292	3-D2	ER-338235	4-R59	HZ-336131	1-11
BA-7200A0490D 3-4	BA-T2030A030C	3-3	ED-338403	4-D8	ES-312234	4-SW1		
BA T7000A040A 5-1								
BA T-1709A05050								
BAT-2010A050B								
BA-T2030A050C 4-3 BA-T2030A050C 4-3 BA-T2030A050C 4-5 BA-T2030A050C 4-5 BA-T2030A050E 4-5 BA-T2030A050								
BAT-F0100A050D 4-4 EF-300-949 S-30 ES-337231 4-SW1 MV-35720B 1-42 MV-35720B								
BA-T1000A050E 4-5								
BD B336162B								
BD-B336189A 9-3	BA-T2030A050E	4-5	EF-309390	8-31x	ES-337232	4-SW2	MZ-336005	2-4
BD-B336189A 9-3								
BB-B336188B	BD-B336162B	1-50	EF-309390	8-32x	ES-337344	1-13	MZ-336006	2-8
BDB 33623581 9-32	BD-B336189A	9-3	EF-309392	8-34x	ET-200505	3-TR9to16	SA-336217	8-26
BDB 33623581 9-32	BD-B336189B	9-4x	EF-309392	8-33x	ET-200505	3-TR22to29	SK-B336241A	9-12
BDB-33623810 9-19x EF-327103 8-27 ET-200505 3-TR-11 SK-B3362424 9-15x BDB-336188A 9-19x EF-329706 8-38x ET-200505 3-TR-11 SK-B3362424 9-15x BDB-336188A 9-11 EF-529706 8-38x ET-200505 3-TR-11 SK-B3362424 9-15x BDB-33618A 9-11 EF-529706 8-38x ET-200505 3-TR-11 SK-B3362424 9-15x BDB-33618A 9-12 EF-627550 8-40x ET-200505 4-TR-10-17 SK-B3362424 9-15x BB-1200301 9-12 EF-62750 8-40x ET-200505 4-TR-10-17 SK-B3362424 9-13x BB-1200301 9-12 EF-62750 9-13x BB-1200301 9-12 EF-62750 9-13x BB-1200301 9-12 EF-62750 9-13x BB-1200301 9-12 EF-62750 9-12 EF-62	BD-B336235A1	9-32		8-28	ET-200505			9-13x
BDB 3336448								
BD-336188A								
BB-B336188 9-2x EF-692550 8-39x EF-200505 4-TR01077 SK-B336243A 9-17x BH-T2000A190A 1-1x EF-602550 8-39x EF-200505 4-TR01077 SK-B33624AA 9-18 BH-B336010 2-6 EF-622103 8-36x EF-200505 4-TR04017 SK-B33624AA 9-18 BH-B336009 2-12 EI-200938 3-IC1 EI-200								
BF-B336013								
BHB336007 2-6								
BL-B336007								
Bl. Ba336009 2-12 E1-200938 3-IC1 ET-200558 3-TR130 SK-336230B 9-24 St. Bl. T-12001A (100A 1-22 E1-213300 5-IC3 ET-200558 3-TR18 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-213303 5-IC3 ET-200558 5-TR7.8 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-20233 5-IC3 ET-200558 5-TR7.8 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-20233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30252 4-IC8 ET-30076 4-TR8 SK-336237B 9-7 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-300953 3-TR3 3-IC3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-310148 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-31041A 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-31041A 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336992 4-IC9 ET-316171 5-TR106 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-33700B 4-IC1 ET-316171 5-TR106 SK-336240B 9-12 St. Bl. T-12001A (100A 1-12 E1-33700B 4-IC1 ET-316171 5-TR106 SK-336190A 5-Ic3 E1-33700B 4-IC2 ET-316171 5-TR106 SK-336190A	BH-12030A190A	1-1 x	EF-602550	8-40x	ET-200505	4-TR24to27	SK-336229A	9-30
Bl. Ba336009 2-12 E1-200938 3-IC1 ET-200558 3-TR130 SK-336230B 9-24 St. Bl. T-12001A (100A 1-22 E1-213300 5-IC3 ET-200558 3-TR18 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-213303 5-IC3 ET-200558 5-TR7.8 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-20233 5-IC3 ET-200558 5-TR7.8 SK-336230B 9-25 St. Bl. T-12001A (100A 1-22 E1-20233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30233 5-IC3 ET-200558 5-TR7.9 SK-336237B 9-7 St. Bl. T-12001A (100A 1-22 E1-30252 4-IC8 ET-30076 4-TR8 SK-336237B 9-7 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-300953 3-TR3 3-IC3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-310148 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-31041A 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336761 4-IC7 ET-31041A 4-TR2.3 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-336992 4-IC9 ET-316171 5-TR106 SK-336240B 9-11 St. Bl. T-12001A (100A 1-12 E1-33700B 4-IC1 ET-316171 5-TR106 SK-336240B 9-12 St. Bl. T-12001A (100A 1-12 E1-33700B 4-IC1 ET-316171 5-TR106 SK-336190A 5-Ic3 E1-33700B 4-IC2 ET-316171 5-TR106 SK-336190A	1	_						
BIL-72030A160A 1-25							SK-336229B	
BIL-72030A160A 1-25	BL-B336009	2-12	EI-200938	3-IC 1	ET-200558	3-TR30	SK-336230A	9-24
BILT2030A160A 122		1-35						9-25x
Bill								
BM-B337064 2-18 E1-330522 4-102 E1-336761 3-102 E1-336761 3-102 E1-336761 3-102 E1-336761 3-102 E1-336761 3-102 E1-336761 3-102 E1-3306806 1-29 E1-336761 3-102 E1-336724 E1-33693 3-102 E1-336724 E1-33693 3-102 E1-336724 E1-33693 3-102 E1-33693 3-102 E1-33693 3-102 E1-33693 3-102 E1-33693 4-102 E1-33								
BM-9337064 2-18								
BM-71030A100A 2-1x								
BM-12030A120A 1-19								
BR-337244								
BT-337244 8-1 EI-336983 3-IC2 ET-316171 5-TR1102 BT-337246 8-3x EI-336994 4-IC10 ET-316171 5-TR1102 BT-337246 8-3x EI-336994 4-IC10 ET-316171 5-TR1102 BT-337247 8-4x EI-336994 4-IC10 ET-316171 5-TR1102 BT-337247 8-4x EI-336994 4-IC10 ET-316171 5-TR1102 BT-337247 8-4x EI-336994 4-IC11 ET-316171 5-TR1102 BT-337248 8-5x EI-337006 4-IC1 ET-316171 5-TR1102 BT-337247 8-4x EI-337006 4-IC1 ET-316171 5-TR110018 BT-337248 8-5x EI-337006 4-IC1 ET-316171 5-TR110018 BT-337240 8-5x EI-337006 4-IC1 ET-316171 5-TR110018 BT-337240 8-5x EI-337006 4-IC1 ET-316171 5-TR110018 BT-337247 8-4x EI-337006 4-IC1 ET-316171 5-TR110018 BT-337247 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337246 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337246 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337247 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337247 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337247 8-12 EI-33700 4-IC1 ET-316171 5-TR110018 BT-337017 4-IC1 ET-316171 5-TR110018 BT-337017 4-IC1 ET-316171 5-TR110018 BT-337017 8-IC1 ET-316171 5-TR110018 BT-337017 1-IC1 ET-316171 5-TR110018 BT-337018 1-IC1 ET-316171 BT-337018 1-IC1 ET-316171 5-TR110018 BT-337018 1-IC1 ET-316171 5								
BT-337244	BR-336606	1-29	E1-336761	4-1C7	ET-310833	3-TR35,36	SK-336240B	9-11x
BT-337244	DT 227241	0.1	EI 22/002	2 102	DE ALLOSE		DW 00:55:	0.00
BT-337246								
BT-337248 8-5x El-337006 4-IC1 ET-316171 5-TR101018 Sp-336190A 8-16 BT-337248 8-5x El-337006 4-IC1 ET-318239 4-TR5 BZ-72030A080A 1-26x El-337008 4-IC4, 5 ET-321016 3-TR38 Sp-336190B 8-17x BZ-72030A110A 1-15 El-337009 4-IC6 ET-322598 4-TR6 Sp-336190D 8-20x EA-336012 2-15 El-337013 4-IC2, 3 ET-322598 4-TR6 Sp-336190D 8-20x EA-336017 3-C116 El-337013 4-IC2, 3 ET-322598 4-TR6 Sp-336190D 8-20x ER-306986 4-C4 El-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-3266986 4-C4 El-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-31532 3-C4 El-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-31532 3-IC3 El-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-31532 3-IC3 El-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-31522 3-IC3 ER-337228 3-IC3 ET-322598 4-TR6 Sp-336190D 8-20x ER-31522 3-IC3 ET-322598 4-TR6 Sp-336190D 8-21x ER-337228 3-IC3 ET-3326190D 8-21x ER-3326190D								
BT-337248			EI-336994		ET-316171	5-TR21,22	SP-336163	1-51
BZ-T2030A080A 1-26x	BT-337247	8-4x	EI-336995	4-IC11	ET-316171	5-TR10to18	SP-336190A	8-16
BZ-T2030A10A 1-26x	BT-337248	8-5 x	EI-337006	4-IC1	ET-318239	4-TR5	SP-336190B	8-17x
BZ-T2030A110A	BZ-T2030A080A	1-26x	EI-337008	4-IC4,5		3-TR38		8-18x
EC-336012								
EC-3060178								
EC-306986								
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ZW-270088	1-39			,			
ZW-305013	8-25x						
ZW-330073	1-32						
ZW-336603	1-49						
ZW-336603	2-7						
ZW-336604	2-9						
ZW-356657	1-38						
ZW-381644	1-37						
ZW-618884	1-7						

3. MODEL GX-F71

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PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.	PARTS NO.	REF. NO.
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BA-T2032A030C		EC-327097	3-C12	ED-337260	3-D28	EJ-692908	8-38x
BA-T2032A030D		EC-331183	3-C10	ED-337265	4-D5	EL-337053	8-47
BA-T2032A090A	4-1	EC-331183	3-C11	ED-337266	4-D15	EM-337221	6-IN1
BA-T2032A090B	4-2	EC-331183	3-C27	ED-337268	4-D16,17	EO-302464	5-L1
BA-T2032A090C		EC-331183	3-C67	ED-338229	6-D7to10	EO-315758	5-FL1
BA-T2032A090A		EC-332052	3-C86	ED-338316	4-D6	EO-336738	3-FL1
BA-T2032A090E	4-5	EC-332052	5-C22	ED-338561	7-D5	EO-336738	3-FL5
BA-T2032A120A	5-1	EC-333971	3-C115	EF-300588	8-23x	EO-337343	5-T1,2
	-	200000	• •			20 00.0.0	· 1 - ,-
DD Daactica t	1.63	EG 225002	2.00	TD 404040			
BD-B336162A	1-63	EC-337002	3-C9	EF-306949	8-5	EO-669273	1-22x
BD-B336224A	9-3	EC-337002	3-C53	EF-306949	8-9x	ER-304667	4-R3
BD-B336224B	9-4x	EC-337017	4-X 1	EF-306949	8-6	ER-314597	3-R41
BD-B336235A2	9-38	EC-337249	5-C37	EF-306949	8-10x		3-R79
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BD-B336244B	9-21x	EC-337261	3-C3	EF-309390	8-16x	ER-314597	3-R87
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BD-T2032A150B		EC-337262	3-C90	EF-309392	8-15x	ER-336775	3-FL3
BF-B336024	2-16	EC-337262	3-C56	EF-309392	8-14x	ER-336776	3-FL4
BH-T2032A080A	1-1x	EC-337262	3-C66	EF-315334	8-17x	ER-336776	3-FL2
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DI 227252	2 12 2	EC 2272/2	2 C 1 4	FE 227102	0.4	ED 337351	4 D 13 4
BJ-337352	3-J23	EC-337262	3-C14	EF-327103	8-4x	ER-337251	4-R124
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BL-B336009	2-12	EC-337366	5-X 1	EF-327103	8-11x	ER-337254	4-R126
BL-B336150	1-41	EC-337966	3-C40	EF-327103	8-7x	ER-337255	4-R127
BL-B336196	1-37	EC-337980	3-C41	EF-593706	8-22x	ER-337256	4-R128
BL-B336202	1-49	EC-337981	3-C47	EF-593706	8-19x	ER-337303	4- R 9
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BM-B337064	2-22	EC-338399	4-C1	EI-201940	7-IC1	ER-338108	3-R22
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BR-336606	1-31	EC-637143	3-C114	EI-312179	3-IC2to5	ER-669330	4-R1
BR-342719	1-32	ED-200468	3-D5to7	EI-330352	4-IC10	ES-283072	3-SW 1
BT-337222	8-39	ED-200468	3-D10to23	EI-336761	3-IC6	ES-312234	4-SW1
BT-337223	8-40x	ED-200468	3-D2,3	EI-336761	3-IC12	ES-312235	4-SW 1
BT-337224	8-41x	ED-200468	3-D29to32	EI-336761	3-IC9	ES-312238	4-SW 1
BT-337225	8-42x	ED-200468	3-D27	EI-336761	4-IC9	ES-336780	6-SW1to17
BT-337226	8-43x	ED-200468	4-D18	EI-336761	5-IC7to9	ES-336990	1-19
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EC-305680	5-C51	ED-302295	4-D9	EI-337013	5-IC2	ET-200505	3-TR47to50
EC-306419	3-C84	ED-302273	4-D21				
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EC-306438	3-C5	ED-308952	3-D4	EI-337228	3-IC7	ET-200505	3-TR38,39
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EC-306987	5-C66	ED-330622	3-D24,25	EI-337237	5-IC5,6	ET-200505	3-TR 1 to 7
EC-307684	3-C99	ED-330622	4-D3,4	EI-337357	5-IC3	ET-200505	3-TR27
EC-307793	3-C92	ED-330622	4-D20	EI-337367	5-IC1	ET-200505	4-TR15
EC-314990	3-C49	ED-330987	4-D7	EI-337568	7-IC3	ET-200505	4-TR29
EC-316150	5-C67	ED-337010	1-26	EI-337568	7-IC4	ET-200505	4-TR33
EC-317623	5-C23	ED-337014	6-D4	EI-634140	3-IC13	ET-200505	4-TR8,9
EC-327097	3-C28,29	ED-337016	6-D3	EJ-283140	4-VS1	ET-200505	4-TR21to25
EC-327097	3-C68,69	ED-337195	6-D1,2	EJ-336885	3-J24	ET-200505	5-TR47to49
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ET-200558	3-TR53	HZ-336129	1-6	ZS-310337	1-15		
	3-TR51		1-9		9-36		
ET-200558 ET-200558	5-TR42to45	HZ-336195	1-51	ZS-322570 ZS-322580	9-36 9-37x	1	
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ET-200985	5-TR12to18	MB-336021	2-25	ZS-325495	8-46x		
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ET-200985	5-TR1,2	MI-336025	2-17	ZS-342086	1-11		
ET-200985	5-TR20to26	ML-336158	1-59	ZS-432843	2-5		
ET-200985	5-TR4to10	ML-336159	1-60	ZS-447761	8-30		
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ET-308141	3-TR37	MR-336019	2-24	ZS-477876	2-23		
ET-308977	5-TR30to33	MT-305793	1-36	ZS-479474	2-11		
ET-310148	4-TR7	MV-357208	1-56	ZS-499331	1-12		
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ET-310148	5-TR19		2-8		1-52		
		MZ-336006		ZS-608095			
ET-310148	8-1	SA-336217	8-48	ZS-608095	1-3		
ET-311977	1-18	SK-B336232A	9-12	ZW-270088	1-17		
ET-321016	3-TR31	SK-B336232B	9-13x	ZW-270088	1-40		
ET-322598	4-TR6	SK-B336241A	9-14	ZW-305013	8-49x		
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ET-328437	3-TR16	SK-B336242A	9-16	ZW-309295	2-18		
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ET-328438	3-TR17	SK-B336242B SK-B336243A	9-18	ZW-336603	1-47		
ET-328440	4-TR5	SK-B336243A SK-B336243B	9-19x	ZW-336603	2-7		
ET-328578	3-TR13,14	SK-B336244A	9-20	ZW-336604	2-9		
ET-328578	3-TR18	SK-336229A	9-32	ZW-356657	1-44		
ET-328868	4-TR10to14	SK-336229B	9-33x	ZW-381644	1-43		
ET-328868	4-TR19,20	SK-336230A	9-30	ZW-618884	1-54	-	
ET-336997	4-TR31,32	SK-336230B	9-31x	ZW-618884	1-7		
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ET-337012	7-TR1		9-8				
		SK-336239A					
ET-337012	7-TR2	SK-336239B	9-9x				
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ET-337234	3-TR9	SK-336240B	9-11x				
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ET-337967	3-TR11	SP-336213C	8-27x				
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ET-375603	5-TR11	SP-336213E	8-29x				
ET-452531	4-TR18	SP-336213F	8-26x				
ET-554657	4-TR30	SP-336215	8-45 x				
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ET-639437	4-TR4	SP-336223B	9-2 x				
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ET-639437	4-TR34	SP-336233B	9-35 x				
ET-639437	4-TR2	SP-336236C	9-22x				
ET-639437	4-TR26	SP-336236D	9-23x				
EV-306016	3-VR5	SZ-336166	1-66				
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EV-313538 EV-314646	3-V R 10 3-V R 4		2-2	1			
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EV-315412 EV-315412	3-VR8 3-VR11	TC-336016 TC-336027	2-20 2-21				
EV-315413	4-VR1	TC-336142	1-34				
EV-315413	5-VR2	TC-336146	1-24			1	
EV-315416	3-VR12,13	TC-336161	1-62				
EV-315752	5-VR4,5	TC-336228A	9-28x				
EV-321637	3-VR1	TC-336228B	9-29x			1	
EV-321637	5-VR6	TC-336605	1-28			1	
EV-321637 EV-322416	5-V R 3		1-39				
	5-V R 3 5-V R 1	ZG-312946					
EV-322416		ZG-321534	1-46				
EV-337052 EV-337409	2-3 3-VR3	ZG-324331 ZG-336011	1-38 2-13				
EV-337411	3-VR2	ZG-336127	1-2				
EV-464253	7-VR1,2	ZG-336130	1-8			1	
EV-483377	3-V R 7	ZG-336140	1-30			1	
EV-483388	3-VR6	ZG-336141	1-33			1	
	8-36x	ZG-336157	1-57			1	
EW-201515		ZG-336160	1-61			1	
	8-33X			1		i .	
EW-305691	8-33x 8-32x		1-45				
EW-305691 EW-306427	8-32 x	ZG-336175	1-45				
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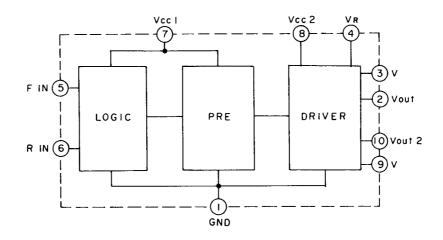
SECTION 6

SCHEMATIC DIAGRAM

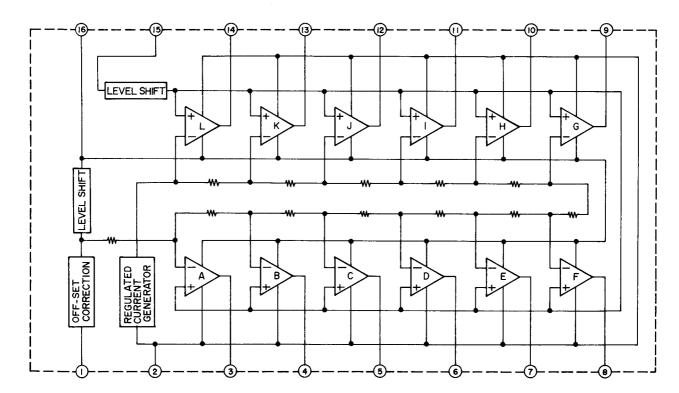
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- 2. GX-F31 POWER & SYSCON NO. 2-1 1640824A SCHEMATIC DIAGRAM
- 3. GX-F31 AMP NO. 2-2 1640825A SCHEMATIC DIAGRAM
- 4. GX-F51 POWER & SYSCON NO. 3-1 1640826A SCHEMATIC DIAGRAM
- 5. GX-F51 AMP NO. 3-2 1640827A SCHEMATIC DIAGRAM
- 6. GX-F51 TUNING NO. 3-3 1640828A SCHEMATIC DIAGRAM
- 7. GX-F71 POWER & SYSCON NO. 3-1 1640830A SCHEMATIC DIAGRAM
- 8. GX-F71 AMP NO. 3-2 1640831A SCHEMATIC DIAGRAM
- 9. GX-F71 TUNING NO. 3-3 1640832A SCHEMATIC DIAGRAM

6-1

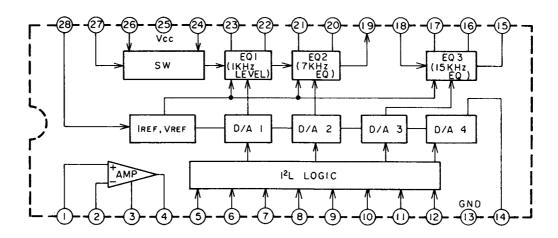
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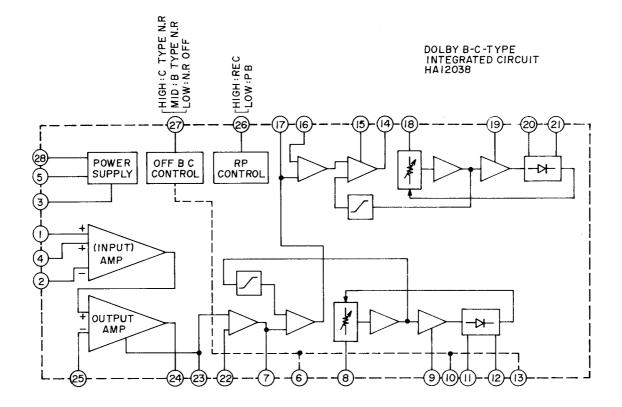
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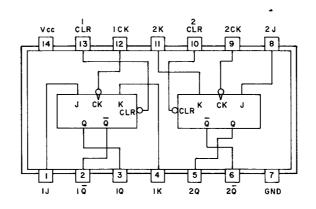
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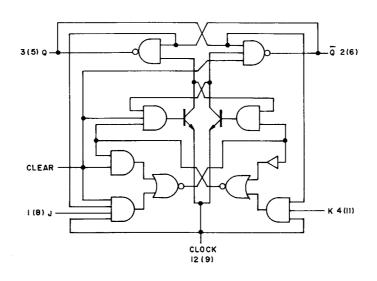


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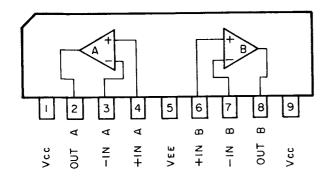
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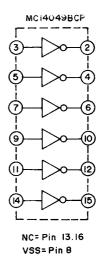




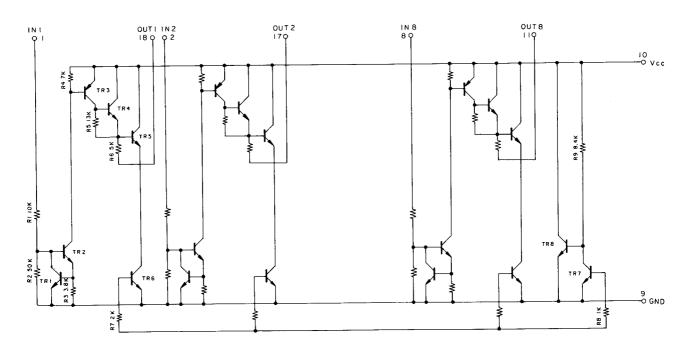
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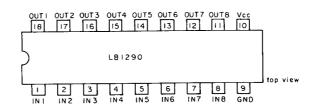
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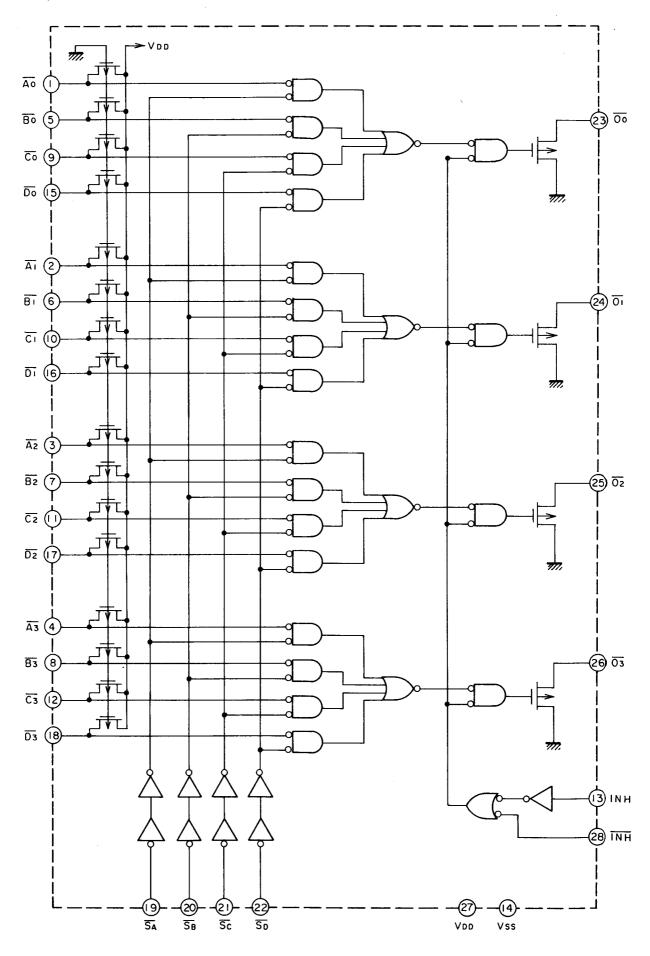


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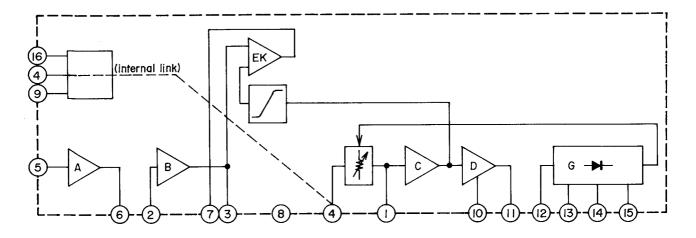




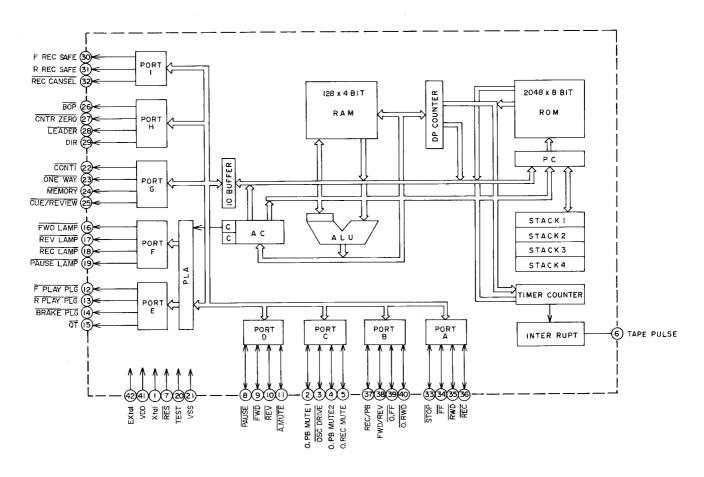
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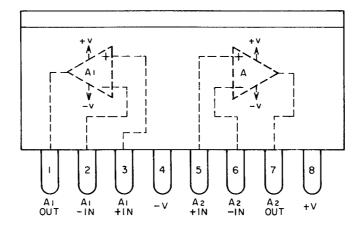
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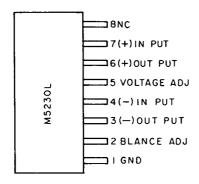
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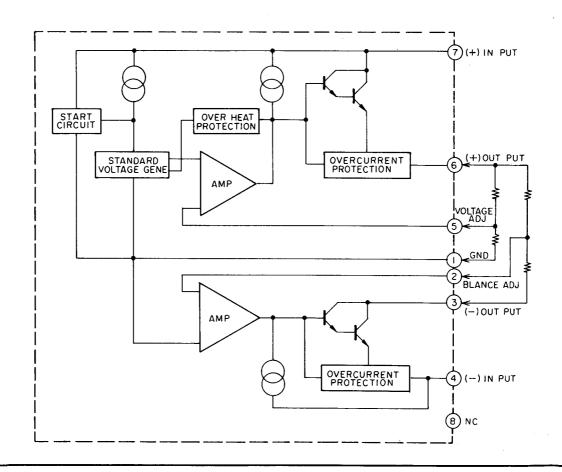


M5218LS



M5230L





NJM4558D, NJM4556D, NJM4562D

